CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York August 10, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close Aug.	Work.	Place.	On file.	See issue.
*10	Water and light plant	Bolivar, Tenn.	S.	7-27
12	Steel work, etc.	Washington, D. C.	S.	7-27
*14	Electric plant, etc.	Lake Placid, N. Y.	S.	7-27
*14	Pipe laying.	Union, N. J.	S.	7-27
*15	Pipe, reservoir, etc.	Uxbridge, Mass.	P., S.& B. S.	8- 3
*15	Sewers.	New Britain, Conn.	P. & S.	7-27
*17	Dike.	Los Angeles, Cal.	P. & S.	6-22
19	Prison addition.	Portsmouth, N. H.	S.	8- 3
*21	Bridge.	Concord, Me.	P. & S.	8- 3
26	Coaling plant.	Philippines	S.	5- 4
*28	Asphalt plant.	New Orleans, La.	S.	7-27
Sept. 1	Steel manufacture.	New S. Wales.	S.	3-23
*4	Concrete conduit.	Salt Lake City, Utah.	P. & S.	8-10
*7	Water conduit.	Toledo, O.	P. & S.	8-10

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

Aug. 11. Heating, Cincinnati, O. ..... Aug. 10
Aug. 12. Power equipment., etc., Stoughton, Wis. Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 14. Electric plant, etc., Lake Placid, N. Y. Aug. 3
Advertised, Eng. News, July 27.
Aug. 14. Electric plant franchise, Somerset, Ky. Aug. 3
Advertised, Eng. News, Aug 3.
Aug. 19. Gas mains, Ft. Myer, Va. ..... Aug. 3
Aug. 21. Generator, etc., Moose Jaw, N. W. T. Aug. 3
Advertised, Eng. News, Aug. 3 to 17.
Aug. 21. Electric lighting, Omaha, Neb. ..... Aug. 10
Aug. 24. Gas plant, Ft. Wayne, Ind. ..... July 6
Advertised, Eng. News, July 6 and 13.
Aug. 28. Switch boards, etc., Washington, D. C. July 27
Advertised, Eng. News, July 27 to Aug. 3.
Aug. 28. Gas plant, Winnipeg, Man. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Aug. 29. Boilers, etc., Washington, D. C. ..... Aug. 10
Sept. 30. Power plant, etc., Washington, D. C. Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.

BRIDGES.

Aug. 10. Bridge, Stevenson, Wash. ..... Aug. 3
Aug. 10. Bridge, concrete, Bridgeport, Conn. July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 10. Bridge, New York, N. Y. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 10. Bridge, Ithaca, N. Y. ..... Aug. 10
Aug. 11. Bridges, Stockton, Mo. ..... Aug. 3
Aug. 15. Masonry bridge, Napa, Cal. ..... Aug. 3
Aug. 15. Five bridges, St. Clairsville, O. ..... Aug. 10
Aug. 15. Bridge, Spartanburg, S. C. ..... Aug. 10
Aug. 16. Masonry arches, Cleveland, O. ..... Aug. 10
Aug. 21. Bridge, Bowling Green, O. ..... Aug. 10
Aug. 21. Bridge, Huntington, W. Va. ..... Aug. 3
Aug. 21. Bridge, Concord, Me. ..... Aug. 3
Advertised, Eng. News, Aug. 3 and 10.
Aug. 26. Bridge, Dayton, O. ..... Aug. 10
Sept. 18. Bridges, steel, Virginia City, Mont. July 20
Sept. 30. Bridges, Porto Rico ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 4. Bridge substructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge superstructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.

BUILDINGS.

Aug. 10. Jail, Salem, Va. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 10. Schools, Hackensack, N. J. ..... July 27
Aug. 10. Aquarium repairs, New York, N. Y. ..... Aug. 3
Aug. 12. Steelwork, etc., Washington, D. C. ..... July 27
Aug. 14. Court-house, Cedartown, Ga. ..... July 6
Aug. 14. Temple, North Platte, Neb. ..... Aug. 3
Aug. 14. Schools, New York, N. Y. ..... Aug. 3
Aug. 15. Light fixtures, Pekin, Ill. ..... July 27
Aug. 16. Post-office, McKeesport, Pa. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 16. Library, Bloomington, Ind. ..... Aug. 3
Aug. 17. Building, Hayward, Wis. ..... July 27
Aug. 17. Post-office, Burlington, Ia. ..... July 13
Aug. 19. Prison addition, Portsmouth, N. H. ..... Aug. 3
Aug. 21. Hospital, Southport, N. C. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 21. Boilers, fixtures, etc., Ithaca, N. Y. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to 17.
Aug. 21. Court-house, Caldwell, Idaho ..... Aug. 3
Aug. 22. Elevators, Washington, D. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Aug. 24. Apparatus, Lincoln, Neb. ..... Aug. 3
Aug. 24. Buildings, Seattle, Wash. ..... Aug. 3
Aug. 24. Five buildings, Seattle, Wash. ..... Aug. 3
Aug. 22. Buildings, Santa Fe, N. Mex. ..... July 27
Aug. 23. Wiring system, Burlington, Vt. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Aug. 28. Hospital, Buffalo, N. Y. ..... July 27
Advertised, Eng. News, July 27 to Aug. 31.
Aug. 28. Frame barrack, etc., Delaware City, Del. Aug. 3
Advertised, Eng. News, Aug. 3 to 17.
Sept. 1. City-hall plans, Regina, N. W. T. ..... Aug. 3
Sept. 4. Heating system, etc., Huntington, Ind. July 27
Sept. 9. Dwelling, etc., Philadelphia, Pa. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 10. Office building, Omaha, Neb. ..... Aug. 3
Sept. 14. Hotel, Little Rock, Ark. ..... July 6
No date. Heating plant, Pittsburg, Pa. ..... July 27

WATER SUPPLY AND IRRIGATION.

Aug. 10. Water-works, light plant, Bolivar, Tenn. July 27
Advertised, Eng. News, July 27.
Aug. 11. Stand-pipe, Grand Rapids, Mich. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 11. Pipe laying, Cincinnati, O. ..... July 20
Aug. 12. Water-works, Newark, O. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 14. Laying mains, Union City, Pa. ..... Aug. 3
Advertised, Eng. News, Aug. 3 and 10.
Aug. 14. Water-works franchise, Somerset, Ky. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 14. Artesian well, Victoria, Tex. ..... Aug. 3
Aug. 14. Water-works, Lonetree, Ia. ..... July 27
Aug. 14. Pipe laying, Union, N. J. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 14. Well, etc., Indianapolis, Ind. ..... Aug. 10
Aug. 15. Pipe, reservoir, etc., Uxbridge, Mass. ..... Aug. 3
Advertised, Eng. News, Aug. 3 and 10.
Aug. 15. Reservoir, etc., Fort McPherson, Ga. ..... July 27
Aug. 15. Reservoir, Mt. Vernon, Ill. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 16. Pathfinder dam, Denver, Colo. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 16. Water-wks., Prince Albert, Sask., N.W.T. Aug. 10
Aug. 16. Pumping plant, etc., New York, N. Y. ..... Aug. 10
Aug. 17. Pumping machinery, Chicago Junction, O. Aug. 10
Aug. 18. Laying mains, White Hall, Ill. ..... Aug. 3
Aug. 21. Reservoir work, etc., Coatesville, Pa. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 21. Conduit, etc., Idaho Springs, Colo. ..... Aug. 10
Aug. 22. Water-works, Arlington, Neb. ..... Aug. 10
Aug. 24. Water-works, Enderlin, N. Dak. ..... Aug. 10
Aug. 24. Water-wks., electric light, Marksville, La. July 27
Advertised, Eng. News, July 27.
Aug. 26. Reservoir, etc., Ft. Moultrie, S. C. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 26. Boiler, San Antonio, Tex. ..... Aug. 10
Aug. 28. Pumping plant, Winnipeg, Man. ..... July 6
Advertised, Eng. News, July 6 to Aug. 24.
Aug. 31. Water supply, Owensboro, Ky. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 2. Pumping unit, Niagara Falls, Ont. ..... Aug. 10
Sept. 4. Concrete conduit, Salt Lake City, Utah. Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 7. Water conduit, Toledo, O. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 14. Pumping machinery, Columbus, O. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 14.
Sept. 19. Pumps, hydrants, etc., Toronto, Ont. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 24.

SEWERAGE.

Aug. 10. Sewers, Middletown, O. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 10. Sewer, etc., Winnetka, Ill. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 11. Drains, Cincinnati, O. ..... July 20
Aug. 11. Sewer, Grand Rapids, Mich. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 14. Sewers, Beloit, Wis. ..... Aug. 3
Aug. 14. Pipe sewers, Beloit, Wis. ..... Aug. 3
Aug. 14. Sewers, Cincinnati, O. ..... Aug. 3
Aug. 14. Sewers, Goshen, Ind. ..... Aug. 10
Aug. 14. Sewer tile, Oskaloosa, Ia. ..... Aug. 10
Aug. 15. Sewer, Potsdam, N. Y. ..... Aug. 10
Aug. 15. Sewer, Glenwood, Minn. ..... Aug. 10
Aug. 15. Sewers, New Britain, Conn. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 16. Sewers, West Hoboken, N. J. ..... Aug. 10
Aug. 16. Sewer, Winchester, Ind. ..... July 27
Aug. 19. Sewers, Norwood, O. ..... Aug. 2
Aug. 21. Pipe and specials, Washington, D. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 21. Sewers, Tulsa, Ind. T. ..... Aug. 10
Aug. 21. Sewer system, Sheridan, Wyo. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 21. Sewers, Washington, D. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 21. Sewer system, Tulsa, Ind. T. ..... Aug. 10
Aug. 22. Sewer system, Santa Fe, N. Mex. ..... July 27
Aug. 23. Sewers, Chicago, Ill. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 23. Pipe sewer, Des Moines, Ia. ..... Aug. 10
Aug. 24. Sewers, Clinton, Ia. ..... July 27
Aug. 28. 3½ miles of sewers, Ames, Ia. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Sept. 2. Sewers, etc., Newton, N. J. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 4.

STREETS AND ROADS.

Aug. 11. Road, Cincinnati, O. ..... July 20
Aug. 11. Roads, Napoleon, O. ..... July 27
Aug. 12. Road, Harrisburg, Pa. ..... July 27
Aug. 12. Road, Greencastle, Ind. ..... Aug. 3
Aug. 12. Road, Harrisburg, Pa. ..... Aug. 3
Aug. 12. Sidewalks, Seattle, Wash. ..... Aug. 3
Aug. 14. Paving, Cincinnati, O. ..... Aug. 3
Aug. 15. Paving, Suffolk, Va. ..... Aug. 3
Aug. 15. Gravel road, Crownpoint, Ind. ..... July 15
Aug. 16. Paving, Newburgh, N. Y. ..... Aug. 3
Advertised, Eng. News, Aug. 3 and 10.
Aug. 16. Paving, asphalt, Brooklyn, N. Y. ..... Aug. 10
Aug. 17. Block paving, Cincinnati, O. ..... Aug. 10
Aug. 17. Road work, Pittsburg, Pa. ..... Aug. 10
Aug. 17. Macadamizing, Towson, Md. ..... Aug. 10
Aug. 17. Block paving, Macon, Mo. ..... Aug. 3
Aug. 19. Grading, Liverpool, O. ..... Aug. 3
Aug. 19. Macadamizing, Norwood, O. ..... Aug. 10
Aug. 19. Sidewalks, grading, Seattle, Wash. ..... Aug. 10
Aug. 22. Paving, etc., Alliance, O. ..... Aug. 3
Aug. 23. Roadwork, Madisonville, O. ..... Aug. 10
Aug. 28. Wagon road, Kooskia, Idaho ..... Aug. 10
Aug. 28. Road, Bowling Green, O. ..... Aug. 3
Aug. 28. Asphalt plant, New Orleans, La. ..... July 27
Advertised, Eng. News, July 27 to Aug. 30.
Aug. 29. Paving, Portsmouth, O. ..... Aug. 10
Aug. 30. Asphalt paving, Madison, Wis. ..... Aug. 10
Sept. 1. Roads and trails, Wallace, Idaho ..... Aug. 10
Sept. 1. Macadam roadway, Fort Hancock, N. J. ..... Aug. 10
Sept. 1. Roadways, Fort Hancock, N. J. ..... Aug. 10

MISCELLANEOUS CONTRACTS.

Aug. 10. Dredging, Pittsburg, Pa. ..... Aug. 3
Aug. 10. Wall, New York, N. Y. ..... Aug. 3
Aug. 10. Levee, New Orleans, La. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 10. Flagstaff, St. Louis, Mo. ..... July 20
Aug. 11. Levee work, New Orleans, La. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 11. Dredging, Norfolk, Va. ..... July 20
Advertised, Eng. News, July 20 and Aug. 3.
Aug. 11. Ditch work, Valparaiso, Ind. ..... Aug. 3
Aug. 14. Dredging, Detroit, Mich. ..... July 27
Aug. 14. Lumber, steel, etc., New York, N. Y. ..... Aug. 3
Aug. 14. Protection crib, Waukegan, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 15. Subways, Memphis, Tenn. ..... Aug. 10
Aug. 15. Concrete work, Newark, N. J. ..... Aug. 3
Advertised, Eng. News, Aug. 3.
Aug. 15. Sand, meters, etc., Washington, D. C. ..... Aug. 3
Aug. 15. Cement, timber, etc., Washington, D. C. July 27
Aug. 16. Removing buildings, Delaware City, Del. July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 17. Light-house, Buffalo, N. Y. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 17. Dike, Los Angeles, Cal. ..... June 22
Advertised, Eng. News, June 22 to Aug. 3.
Aug. 17. Broken stone, etc., New York, N. Y. ..... Aug. 10
Aug. 18. Dredging, Newport, R. I. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 18. Inlet wall, San Francisco, Cal. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 19. Dredges, Washington, D. C. ..... July 20
Advertised, Eng. News, July 20 to Aug. 24.
Aug. 19. Dredging, Seattle, Wash. ..... Aug. 3
Aug. 21. Steel bars, Glendive, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 21. Dredging, Wilmington, Del. ..... July 27
Advertised, Eng. News, July 27 to Aug. 24.
Aug. 21. Traveling crane, Washington, D. C. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 21. Drain, Berea, O. ..... Aug. 10
Aug. 22. Machinery, Washington, D. C. ..... July 27
Aug. 24. Breakwater, Boston, Mass. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Aug. 25. Laundry machines, pipe, etc., Wash., D. C. July 27
Aug. 26. Coaling plant, Philippines ..... May 4
Aug. 26. Dredging, New London, Conn. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 26. Scale, Portsmouth, N. H. ..... Aug. 10
Aug. 27. Filling and grading, Key West, Fla. ..... July 20
Aug. 28. Canal, Montrose, Colo. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 28. Sanitary fixtures, Washington, D. C. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 29. Bonds, Marksville, La. ..... July 27
Advertised, Eng. News, July 27.
Aug. 29. Forges, etc., Washington, D. C. ..... July 27
Aug. 30. Breakwater extension, Newport, R. I. ..... Aug. 30
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 31. Dredging, Portland, Me. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 31. Lock and dam, Nashville, Tenn. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Sept. 1. Steel manufacture, New South Wales. Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 1. Bonds, Houston, Miss. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to 31.
Sept. 5. Dredging, Mobile, Ala. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 5. Dredging, San Francisco, Cal. ..... Aug. 10
Sept. 5. Drainage work, Miami, Fla. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Sept. 5. Dam, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept 6. Tunnel, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 6. Breakwater extension, Grand Rapids, Mich. Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 7. Dredging, New York, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 8. Dredging pumps, etc., St. Louis, Mo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 9. Derrick, Washington, D. C. ..... Aug. 10
Sept. 9. Concrete work, Florida East Coast Ry. July 27
Advertised, Eng. News, July 27 and Aug. 31.
Sept. 9. Dredging, Charleston, S. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 12. Machine tools, Washington, D. C. ..... Aug. 10
Sept. 12. Crane, Washington, D. C. ..... Aug. 10
Sept. 14. Light-house, Tompkinsville, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 16. Hoist, Washington, D. C. ..... Aug. 10
Sept. 26. Tunnel, Montrose, Colo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 21.
Nov. 1. Railroads, Philippines ..... June 15
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
No date. Inclines, etc., Shreveport, La. ..... July 27
Advertised, Eng. News, July 27.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—Company will build a branch line, about eight miles long, from Reedley, Cal., to new winery of the California Wine Association, in Fresno County. Estimated cost, $70,000. The line will be known as the Fresno County Ry. A. H. Payson, Pres. of the San Francisco & Northwestern Ry., at San Francisco, and George P. Beveridge, of the Great Western Winery Co., are interested in new company.

BENNETTSVILLE & CHERAW.—A. J. Matheson, Pres., at Bennettsville, S. C., informs us that right-of-way is practically secured and also capital for 12-mile extension to Blenheim, S. C. Contracts will be let during this month or September. Chief Engineer is not yet selected. Company now operates 16 miles of line.

BUCKS CREEK & CATAWBA.—George W. Edwards, of Winston-Salem, N. C., an incorporator, states that this company was chartered by parties interested in the development of the timber resources of western North Carolina, particularly in McDowell County. Plans for its construction, other than branch lines for the shipment of timber, have not yet been completed. Noted fully last week.

BRANDON, DEVILS LAKE & SOUTHERN.—Incorporated in North Dakota to build a railroad from Aneta to Devils Lake, N. Dak., and thence to Brandon, Man. Capital stock, $500,000. Incorporators: C. J. Murphy, D. L. Flynn, R. J. Purcell, John Dickson and Macey Nicholson. Headquarters is at Grand Forks, N. Dak.

BALTIMORE & OHIO.—It is reported that $1,500,000 will be spent by this company at Wheeling, W. Va., for new tracks and elevation work.

CRITTENDEN, R. R.—In regard to this railroad, mention of which was made last week, F. E. Stonebraker, vice-Pres. of the Crittenden Lumber Co., Earle, Ark., states that company has been chartered to build a line from Earle, on the St. Louis, Iron Mountain & Southern R. R., to Heth, Ark., on the Rock Island Ry., a distance of 15 miles. Ten miles are built. The line will traverse a timber and agricultural district land. Engineer has not been appointed. It is not decided when bids will be asked for construction and equipment.

CUMBERLAND RIVER & NASHVILLE.—The Louisville (Ky.) "Post" states that surveys are made from Corbin, Ky., to near Gallatin, Tenn., for a railroad, which will be known as the Cumberland River & Nashville Railroad in Kentucky, and as the Nashville & Northeastern Railroad in Tennessee. It will include on the route Lafayette, Red Boiling Springs, Burnside, Ky., Monticello and other points, and will connect with the Chesapeake & Nashville Railroad at Westmoreland, Tenn.

CHICAGO & ALTON.—PATTON & GIBSON CONSTRUCTION CO., 302 House Bldg., Pittsburg, Pa. has been awarded contract to level grades and double-track the lines of the C & A. between Chicago and Kansas City and Bloomington, Ill., and St. Louis. The work will involve the removal of about 2,000,000 cu. yds. of earth. Est. cost, $750,000. H. H. Kimball, Chicago, is Ch. Engr. of C. & A. Ry.

ERIE.—Company announces that it has awarded to BENNETT & TALBOT, of Greensburg, Pa., the contract for building the first section of 12 miles of the Guymard cut-off, including a tunnel of 5,300 ft. through the Shawangunk Mountains. This section, extending from Howells to Guymard, N. Y., will be a double-track line, exclusively for the use of freight, and will be 125 ft. below the present Erie grade. This section, which calls for the expenditure of $1,500,000, approximately, is the first of the great improvements to be undertaken to completely modernize the Erie's low grade line to the west. Contracts for the remaining 30 miles of the cut-off will be awarded soon.

FLORIDA EAST COAST.—We are informed by J. C. Meredith, Constructing Engr., at Miami, Fla., that the bids for the Long Key-Conch Key opening were received on July 31. Owing to the fact that the lowest bidder imposed impracticable conditions, the contract was not let, but was passed up until Sept. 9, to be let with other reinforced concrete work now being advertised in Engineering News. Full particulars of this work was given on July 27.

GREAT SOUTHERN. — John Helmrich, Pres., Portland, Ore., writes us that this line is constructed to Dufur, Ore., and right-of-way partly secured for further extension. It is operated by steam, to be replaced by oil motive power at later date. F. S. Gordon, The Dalles, Ore., is Ch. Engr. Line will be 112 miles long.

GURDON & FORT SMITH (MISSOURI PACIFIC)—DALHOFF CONSTRUCTION CO., of Little Rock, Ark., has been awarded contract for building this railway. It will be 125 miles long.

IDAHO NORTHWESTERN.—Company has been incorporated and will build a line of standard-gage road, about 45 mils long, with branches aggregating about ten miles, in Kootenai County. Capital is $1,000,000. Incorporators are: Byron R. Lewis, B. P. Munson, F. O. Munson, Earl M. Rogers, of Coeur d'Alene, Idaho; and T. S. Ives, of Guttenburg, Ia.

KANSAS CITY SOUTHERN.—Company has placed order with the ILLINOIS STEEL CO. for 12,500 tons of 85-lb. steel rails; 4,000 tons for delivery in September, 4,500 tons in October and 4,000 tons in November. The company is about to enter the market for 1,000 freight cars, 20 or 30 passenger cars and 25 heavy locomotives, and is preparing to widen the roadbed of its line and put down heavy ballast.

MADISONVILLE, HARTFORD & EASTERN.—R. E. L. Simmerman, Secy., Hartford, Ky., states that this company proposes to build a steam railroad from Madisonville to Mitchells, Ky., 60 miles, passing through Sacramento, Point Pleasant, Centertown, Hartford and Dundee. The line is being surveyed from Madisonville to Centertown, 34 miles, and is under survey from the latter point to Mitchells, 26 miles. Contracts will be let early in the fall for the grading. J. W. Ford is Pres., at Hartford, Ky.; H. H. Holeman, vice-Pres., Madisonville, Ky.; John T. Moore, Treas., Hartford, Ky. Noted on July 13.

MANILA & SOUTHWESTERN.—Company has run survey for 9-mile line, between Culberhouse and the St. Francis River, in Arkansas. D. A. Smith is Gen. Mgr., at Manila, Ark.

MISSOURI, ARKANSAS & SOUTHWESTERN.—Company has awarded contract to BODKIN & MOORE, of Memphis, Tenn., to grade roadbed for its line. It will be 140 miles long. Construction will begin at Batesville, Ark.

NEW YORK, NEW HAVEN & HARTFORD.—The contract for building roadbed and structures of the 6-mile branch of the New York, New Haven & Hartford between Needham and West Roxbury, Mass., has been awarded to T. STUART & SON, of Newton, Mass.

NORTH CAROLINA & OHIO.—This company has been organized for the purpose of building a railroad from central North Carolina to the Atlantic coast, via Little Washington, Raleigh, Wilson and Greenville, N. C. Charles O. Haines, of Norfolk, Va., states that surveys are being run. Adam Tredwell, of Norfolk, Va., and John S. Cunningham, Stephen C. Bragaw, L. J. Moore, C. N. Brown and William Bragaw, all of North Carolina, are the projectors. Adam Tredwell is Ch. Engr.

PITTSBURG & LAKE ERIE.—Company has awarded contract to the NICOLA CONSTRUCTION CO., of Pittsburg, for building a $50,000 roundhouse at Beaver Falls, Pa. J. A. Atwood, Pittsburg, is Ch. Engr.

SOUTH & WESTERN.—The New York "Herald" states that the Clinchfield Corporation, which controls the South & Western line, will build a 300-mile railroad in Virginia through its extensive bituminous coal lands, at cost of $15,000,000 to $20,000,000. Alfred Walters, formerly President of Lehigh Valley Ry., will be Pres. of new company. The South & Western road is about 65 miles in extent. Starting from Johnson City, Tenn., it runs to Spruce Pine, N. C., from which point it will be extended for nearly 285 miles to the Clinchfield coal properties. At Johnson City it connects with the Norfolk & Western road. It will cross the Seaboard Air Line at Rutherford and the Southern Railway and the Atlantic Coast Line at Spartansburg. Engineers are now engaged in surveys, selecting routes and making estimates of cost. They expect to get a grade of about one-half of one per cent. G. A. Kent, Bristol, Va., is Ch. Engr.

VEBLEN & NORTHWESTERN RY.—The location of about 30 miles of road in the wheat belt of South Dakota has been commenced. Chas. L. Haydock is Chief Engineer; headquarters for the present is at Veblen, S. Dak.

WESTERN MARYLAND.—WALTER A. THORNE, of Baltimore, has been awarded contract for double-tracking the line between Fulton and Walbrook (Baltimore Station).

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

CHICOPEE FALLS, MASS.—An electric railway between Chicopee Falls and Indian Orchard is being surveyed, it is reported. J. K. Punderford, Gen. Mgr., New Haven Lines, at New Haven, Conn., for the Consolidated Ry. Co., has been over proposed route.

WORCESTER, MASS.—It is announced that construction will begin on line of the Hartford & Worcester Street R. R. Co., between these cities. Estimated cost, $3,000,000. This new road will be practically a continuation of the Boston & Worcester Electric Companies. James F. Shaw, 8 Congress St., Boston, is Pres. S. H. Kitfield, 53 State St., Boston, is Consult. Engr.

PROVIDENCE, R. I.—Application for a charter has been made by the Worcester & Providence St. Ry. Co. Silas P. Holbrook, Henry P. Bullard, Fred. C. Hinds, William E. Harris, Henry F. Rice, James W. Stockwell and Charles H. Wilson are named as directors. The line will extend from Worcester, Mass., to Providence. Right-of-way is partly secured.

SYRACUSE, N. Y.—The Auburn & Syracuse Electric R. R. Co. will complete double-tracking of its line to Skaneateles Lake. C. D. Beebe, Syracuse, is Pres. and Gen. Mgr. Estimated cost is $300,000.

CLINTON, N. Y.—Plans for an electric railway between Clinton and Waterville, about ten miles, will be prepared by F. K. Baxter, of Utica, N. Y.

BROOKLYN, N. Y.—The Williams Terminal Railway Co., of Brooklyn, was recently incorporated, with a capital of $10,000, to operate an electric street surface line from the tracks of the New York Dock Co. on Bowne St., to the property of J. H. Williams & Co., on Richard St., Brooklyn. The directors are William C. Refield, 3 Tennis Court; James H. Williams, 6 Pierrepont St.; Albro M. Tilton, Hugh Aikman, George Amborn, William A. Watson, 474 Fourth St.; George M. Russell and John Lee, of Brooklyn; and Benjamin Whittaker, of New York City.

LOCKPORT, N. Y.—The Niagara Falls & Lockport Electric Ry. Co. has been incorporated to build an electric line between these cities. The terminals will be at Niagara Falls city line and at West Ave. in Lockport. It is to be 20 miles long. Incorporators are Edward Michael, Clark L. Ingham, Walter D. Ingham, Elgood C. Lufkin, Isidore Michael and John M. Bedford, all of Buffalo; S. P. Franchot, James S. Simmons and Walter P. Baker, all of Niagara Falls. Capital is $200,000.

TRENTON, N. J.—The Trenton St. Ry. Co. will build extension to Mercerville and Hamilton Square, P. E. Hurley is Gen. Supt. Trenton "Times" announces that a branch to Trenton Junction and to Cranbury, via Hightstown, is also in contemplation. Peter E. Hurley is Supt. at Trenton.

PATERSON, N. J.—The Paterson & State Line Traction Co. will continue its line to Ridgewood. Preston Stevenson, 20 Nassau St., New York City, is Pres.

MORRISTOWN, N. J.—The Morris County Traction Co. has executed a mortgage to secure a $3,000,000 bond issue. Company now operates an electric railway, 7½ miles long, from Wharton, via Dover, to Rockaway. Company will extend this line about 60 miles through Springfield, Union and Millburn. F. H. Alleman, at Summit, N. J., is Secy. and Mgr.

YORK, PA.—The York County Traction Co. will extend its suburban line to New Holland and Pleasureville. A. H. Hayward is Gen. Mgr.

AMBRIDGE, PA.—Charters have been granted for companies which will operate a system of street railways, under the following titles: The Ambridge, Edgeworth & Sewickley; Ambridge, Sewickley & Osborne; Ambridge, Dixmont & Emsworth; Ambridge, Osborne & Haysville; Ambridge, Haysville & Glenfield; Ambridge, Glenfield & Dixmont; Ambridge, Leetsdale & Edgeworth. The incorporators are D. O. Black, W. H. Keech, W. D. Allison, E. B. Wilson and J. N. Jarvis. The united lines will be about 16 miles long. Total capitalization, $100,000. Right-of-way will be secured.

HAGERSTOWN, MD.—The Hagerstown & Waynesboro Electric Railway Co. has been organized to build an electric road 12 miles long. Cost, $300,000. The following officers were elected: President, W. A. Morgart, of Cumberland; directors, Roderick Clary, of Cumberland; John W. Feldman, of Hagerstown; J. A. Strite, of Chambersburg; Jacob Lesher and Attorney W. T. Omwake, of Waynesboro, Pa. Others interested in the enterprise are said to be De Warren H. Reynolds, of Cumberland; Mayor Abraham C. Strite, of Hagerstown; and W. F. Pasco, of Reading.

PADUCAH, KY.—Jeff J. Read is reported to have stated that a survey will begin at once for a proposed electric railway from Union City, Tenn., via Troy and Hornbeak to Reelfoot Lake, 27 miles.

WESTMINSTER, N. C.—We are informed that Oconee County Ry. Co. will soon secure right-of-way and run survey for its line from Westminster, via Oakway, Tugalo and Townville. It will be about 23 miles long. Capital is not yet secured. Subscriptions will be raised at once. J. W. Sholor, of Walhalla, S. C., is Chn. Bd. Corporators. Officers are not yet elected. Noted on July 20.

ALBERTVILLE, ALA.—An electric line will be built through Marshall, DeKalb and Blount Counties. It will be about 30 miles long. J. H. Hooper, of Albertville, is Mgr.

BESSEMER, ALA.—A company has been organized to build an electric railway from Bessemer to Jonesboro and Brighton. W. W. Hollingsworth is Pres.; J. E. Rogers, vice-Pres.; W. P. Gunn, Secy., and R. F. Smith, Treas. Funds are now being raised.

GREENVILLE, MISS.—The Greenville & Leland Electric Railway Co. has been reorganized, it is reported, to build 12 miles railway. Capital, $300,000. Morris Rosenstock and others of Greenville are interested.

CLEVELAND, O.—It is announced by J. R. Curtiss, Supt. of the Cleveland, Painesville & Ashtabula R. R., at Geneva, O., that this company will build an extension from Geneva, Unionville or Madison to Lake Erie.

DAYTON, O.—We are advised that survey has been completed and right-of-way obtained for the Dayton & Irvington Street Ry. Co., of which M. P. Niswonger, of Dayton, is Pres. The line will be built from Dayton to Irvington, seven miles. Contracts may be let soon. Robert E. Cline, of Dayton, is Ch. Engr., F. M. Stutsman, Dayton, is Secy.

MANSFIELD, O.—J. T. WHITE & CO., 49 Exchange Place, New York City, have been awarded contract for building the Mansfield & Wooster Electric Ry. It will run between these cities, and will be about 40 miles long. Entire issue of $800,000 of bonds is said to have been sold.

BRYAN, IND.—The Toledo, Fort Wayne & Western Ry. Co. will build an extension of the Toledo & Indiana Ry. from Bryan to Fort Wayne. C. H. Masters, 837 Spitzer Bldg., Toledo, O., is Secy. of the latter company.

UPLAND, IND.—Surveyors are running lines for a route for the Huntington, Upland & Matthews Traction Co.

WARSAW, IND.—The Kosciusko County Commissioners have ordered elections held in Wayne, Harrison and Franklin townships on August 15, to vote on the question of granting subsidies to the Winona Railway Co. for its line running southwest from Warsaw to Peru. The company asks $25,000 from Wayne, $20,000 from Harrison and $15,000 from Franklin townships.

TERRA HAUTE, IND.—John R. Bonnell, of Crawfordsville, Ind., is interested in plan to build an electric railway from Lafayette to Terra Houte, via Crawfordsville. Herman McClure, of Crawfordsville, has prepared plans for County Surveyor J. A. Harding.

BENZONIA, MICH.—The Benzonia Business Men's Association seeks to interest capital in a 20-mile electric railway project. The proposed route is along the shores of Crystal Lake, connecting the resorts, through Benzonia to Beulah and Honor.

SAULT STE. MARIE, MICH.—An electric railway between this city and Bay City is being projected. Sheridan F. Masters, of Lansing, is interested. Right-of-way is partly secured. Est. cost is $350,000.

DES MOINES, IA.—The Central Ry. Co. has been incorporated, with $25,000 capital, to build a trolley line between Des Moines and Ames, Ia. The officers of the company are Thomas J. Wilcox, Clinton, Ia., Pres. and Mgr.; L. E. Miley, Chicago, vice-Pres.; B. S. McCully, Princeton, Treas.; D. L. Wilcox, Des Moines, Secy.; George H. Carr, Des Moines, Attorney.

BROOKINGS, S. DAK. — We are advised that preliminary survey [illegible] for an electric railway [illegible] tween Brookings and [illegible] is promised and capital [illegible] Contracts will be let [illegible] of Brookings, is the prom[illegible] of Brookings, is Ch. Engr. [illegible] operate the railway has [illegible] It is planned to have the [illegible] December 15, 1906.

ST. LOUIS, MO.—We [illegible] capital is practically secure[illegible] Missouri Central R. R. [illegible] cured, and surveys, map[illegible] Right-of-way is about [illegible] will be let when right-of-w[illegible] B. Harrison, of Glasgow, [illegible] B. Cauthorn, of Columbia. [illegible] The line will extend from [illegible] City, via Brookfield and [illegible] miles. Previously noted.

WEBB CITY, MO.—Con[illegible] and laying nine miles of tr[illegible] City Northern Electric R. R. [illegible] A. G. JENNINGS, of Joplin, Mo., P. Z. Wallower, of Harrisburg, Pa., is Pres.; Samuel McReynolds, of Carthage, Mo., is vice-Pres.; A. H. Rogers, Joplin, Secy and Treas.; J. B. Hodgdon, Galena, Kan., Ch. Engr.; E. J. Pratt, Webb City, Consult. Engr. Location survey has been [illegible] City, through Oronogo and Purcell, to Alba, Mo. The line will run through a newly developed and rich lead and zinc field in southwest Missouri; 70-lb. rails will be used. Steel will be used in construction of bridges crossing Center Creek and Spring River and the overhead crossing at Oronogo Junction, with concrete retaining walls and abutments and piers.

VAN BUREN, ARK.—The Fort Smith & Van Buren Bridge & Construction Co. has been incorporated to build an electric railway five miles long. Harry E. Kelley is Pres.; W. R. Abbott, vice-Pres.; George Engle, Secy.; and John Valle, Treas.

TEXARKANA, ARK.—The Texarkana Gas and Electric Light Co. has filed a certificate, changing its name to the Texarkana Gas & Electric Co., reducing its capital from $200,000 to $100,000. Company may construct electric lines.

AUSTIN, TEX.—A. J. Eilers, of Austin, Tex., advises us that nothing has been definitely done in connection with an interurban line between Austin and Lockhart. Previously mentioned.

CORPUS CHRISTI, TEX.—The Board of Trade desires the construction of an electric street railway in this city, and bids for building same are invited. The proposed road will be about five miles long. For particulars, address P. H. Tansey, Secy.

FORT WORTH, TEX.—Contract for the construction of six miles of street railway was let by the Arlington Heights Co. to W. P. ENGLE and J. C. COLE, of Alliance, O.

SULPHUR, IND. T.—Subscriptions have been made for $20,000 of stock at this place for the Oklahoma City, Lexington & Sulphur Springs Elec. Ry. At Wynnewood $30,000 has been subscribed. The railway will connect Sulphur, Wynnewood, Pauls Valley, Paoli, Wynne, Ind. T.; Lexington, Noble, Norman, Okla., about 85 miles. Surveys have been made and right-of-way obtained, and later will be extended to Oklahoma City. Connection will be made with the Atchison, Topeka & Santa Fe Ry. at Wynnewood. Contract may be let soon.

LAS VEGAS, N. MEX.—The Las Vegas & Hot Springs Electric Ry., Light & Power Co. has voted $100,000 to be used for extensions and general improvements. F. A. Manzanares is vice-Pres., at East Las Vegas, N. Mex.

OROVILLE, CAL.—Contract for grading on the Northern Electric Ry., between Chico and Oroville, has been awarded to R. A. MONCURE, of Reno, Nev.

MARTINEZ, CAL.—A franchise for an electric street railway line has been awarded by the Town Trustees to R. H. Latimer.

TUCSON, ARIZ.—An electric street railway system will be built in Tucson by W. S. Iliff and C. K. Durbin, Pres. and vice-Pres. respectively, of the United States Light & Traction Co. of Denver, Colo. J. K. Manning is Mayor. Construction probably will begin in September.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BELLOWS FALLS, VT.—The Bellows Falls & North Walpole Gas Co. has been incorporated to furnish gas for light, heat and mechanical power in Bellows Falls, Saxtons River and Westminster, Vt., and Walpole and surrounding towns in New Hampshire. The capital stock is to be $50,000.

ST. JOHNSBURY, VT.—The St. Johnsbury Electric Co. will erect a new plant for which plans are under way. E. E. Gage is Secy. and Mgr.

HOLYOKE, MASS.—The Holyoke Water Power Co. has awarded contract to the GENERAL ELECTRIC CO. for electrical equipment for new power plant. WALSH BOILER WORKS, of Holyoke, has contract for penstocks. Other contracts are to be awarded.

HOUSATONIC, MASS.—DAVID L. EMANUEL, of Catasauqua, Pa., has general contract for power dam on Housatonic River, for the Monument Mills Co. H. R. Leyden is Engr.

LOCKPORT, N. Y.—The Niagara Falls Electrical Co. has been granted franchise rights to use streets for light, heat and power and electrical transmission purposes.

MALVERN, PA.—We are informed that borough has voted to erect a gas plant. Estimates are desired. John Detwiler is Pres. of Council.

WASHINGTON, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until 10 a. m., Aug. 29, for three water-tube boilers and machinery for power house at Naval Hospital, Washington.

BALTIMORE, MD.—Contracts for equipment for new power house for the Consolidated Gas, Electric Light & Power Co., at Westport, have been awarded as follows: Ten boilers of 700 HP. each, to the BABCOCK & WILCOX BOILER CO., 85 Liberty St., New York City; four engines of 3,000 HP. rated capacity and overload capacity of 4,500 HP., to the McINTOSH & SEYMOUR CO., of Auburn, N. Y.; four generators of 2,000 KW. capacity and overload capacity of 50%, to the GENERAL ELECTRIC CO., of Schenectady, N. Y. Contract for building will be awarded at once. Total cost will be about $2,000,000. Simonson & Pietsch, American Bldg., are the Archs. P. O. Keilholtz is Consult. Engr., Baltimore.

GREENSBORO, N. C.—R. H. Gammell, Mgr. Greensboro Electric Co., informs us that contracts have been awarded for boilers, steel stack, gas benches, gas holder, etc., to increase capacity of present plant.

NORTH WILKESBORO, N. C.—The Gordon Mfg. & Power Co. has been chartered. Capital stock, $21,000. Company will operate a plant for generating electricity for light and power and operating electric railways. The incorporators are: J. Gordon Hackett, Richard N. Hackett and H. W. Gwyn.

WINSTON-SALEM, N. C.—The Winston-Salem Power Co. will erect a plant on Salem Creek, to cost about $100,000.

HARTSVILLE, S. C.—Municipal electric light and water-works plant may be erected.

MONTICELLO, FLA.—We are informed by G. C. Henry, vice-Pres. of the Monticello Power Co., that complete contract for light and power plant was awarded to the SOUTHERN CONSTRUCTION CO., Empire Bldg., Atlanta, Ga. Plant will be operated by steam. Company recently incorporated with $10,000 capital.

ENSLEY, ALA.—City is interested in plan to erect a municipal electric light plant.

HUNTSVILLE, ALA. — The Nashville (Tenn.) "American" states that George Abernathy, representing S. Pearson & Son, of New York, was in Huntsville recently in connection with the development of power at Mussel Shoals in the Tennessee River. It is planned to furnish light and power to nearby cities.

LEXINGTON, N. C.—City will vote on Aug. 19 on the issuance of $40,000 of bonds for public improvements, including the construction of sewer system, extending water-works, extending electric light plant, improving streets and erecting hall. John H. Moyer is Mayor.

TOLEDO, O.—Mayor R. H. Finch informs us that proposition to build a municipal lighting plant is now before council. No definite action has been taken.

It is reported that when the merger of the Toledo Heating & Lighting Co. with the Toledo Gas Light & Coke Co. goes into effect $700,000 of the bonds will be set aside for improvements and extensions. The plants of the two companies will be consolidated as far as possible under one management. It is the purpose of the consolidated company to go into the heating and lighting business on an extensive scale.

CINCINNATI, O.—Bids are asked until noon, Aug. 11, for the installation of a low-pressure steam or hot water heating system in the East End Carnegie branch library building now in course of construction at Eastern and Donham Aves. Samuel Hannaford & Sons, Archs., Hulbert Block. Bids will be received for this work both ways: For low-pressure steam heating or for hot water heating. William A. Hopkins, Clk. Bd. Trustees.

PERU, IND.—City will advertise for bids for building a new lighting plant at the water-works plant.

KALAMAZOO, MICH.—Contracts have been awarded for new heating plant, as follows: For construction, to W. J. DAMERELL, of Kalamazoo, at $3,382; boilers, to WHEELER & PITKIN, of Kalamazoo. Dan. J. Albertson, County Engr., is in charge of construction.

L'ANSE, MICH.—The Superior Construction Co., of Houghton, Mich., will prepare plans and estimates for a municipal lighting plant at L'Anse. Village has authority to issue bonds for $10,000 for public improvements.

ALPENA, MICH.—RICHARD COLLINS was awarded the contract for power house at the new water-works, at $16,055. It will be built of cement brick.

BELDING, MICH.—HUNTLY & CO., of Ionia, Mich., have been awarded the contract for erecting the Belding gas works building, for $3,250. It will be 36 × 90 ft., 1¼ stories high. H. J. Leonard owns the franchise.

CHARLESTON, ILL.—At a recent meeting of the city council a franchise was granted to Hoblitzel & Co., to pipe natural gas through the streets of this city for domestic and industrial uses. The franchise runs for 20 years, and is contingent on the company supplying gas on or before Oct. 1, 1906.

OMAHA, NEB.—Bids are asked until 10 a. m., Aug. 21, for an electric lighting system at Fort Omaha. Major M. Gray Zalinski, C. Q. M.

TEMPLE, TEX.—Company has been organized to build an artificial gas plant in Temple, at cost of $60,000. Ten miles of mains will be laid. The officers of the company are: George C. Pendleton, Pres.; A. J. Jarrell, vice-Pres.; F. D. Lyon, Secy.; P. L. Downs, Treas., all of Houston, Tex. These officials, with Mr. Bancroft, constitute the board of directors.

CHANDLER, OKLA.—The Stettmund Electric Co. is in the market for gas engines and gas producers, one 35 HP. and one 120 HP., with direct connected dynamo alternating 45 KW. and 125 KW.

AGUILAR, COLO.—We are advised that plans of A. R. Lindsey, Morris Petti and others to build a $10,000 lighting plant at this place has been laid over until next spring.

SUMAS, WASH.—Franchise has been granted to H. W. Vanderhoof for the construction of an electric light and power system in Sumas. Work must commence within 90 days.

TORONTO, ONT.—We are advised that John Scott, Summerhill Ave., Toronto, is interested in project to build a dam, in connection with large addition to the power plant of the Stark Telephone, Light & Power System, Ltd. Dam will be about 24 ft. above bed of river. Information regarding reinforced concrete dams of this sort is desired by Mr. Scott.

WINNIPEG, MAN.—Bids are asked by Ald. J. C. Gibson, Chn. Fire, Water and Light Com., until 3.30 p. m., Aug. 28, for supplying producer gas plant of 2,500 HP., and a 500-KW. electric generating plant. C. J. Brown, Cy. Clk. (Advertised, Engineering News.)

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

CONCORD, ME.—Plans of site and specifications for the construction of superstructure of a highway bridge over Kennebec River, between Bingham and Concord, are on file at office of Engineering News, 220 Broadway, New York. Plans and specifications may also be seen at our Chicago office. Bids are asked until Aug. 21, as advertised in Engineering News.

PORTLAND, ME.—Maine Central R. R., T. L. Dunn, Ch. Engr., has awarded contract for construction of bridge over Kenduskeag Stream in Bangor to the AMERICAN BRIDGE CO., 100 Broadway, New York.

BOSTON, MASS.—Bids were received Aug. 7 by the Metropolitan Park Commission, 14 Beacon St., Boston, for building the Boylston bridge and approaches, and masonry dam at Charles River Reservation, Newton and Wellesley, Mass. The low bidder was Thos. E. Ruggles, 95 Milk St., Boston, at about $23,000.

GLOUCESTER, MASS.—Plans prepared by W. L. Winslow, Cy. Engr., for new bridge over canal at Western Ave. have been accepted by County Commissioners and they have referred them to State Harbor and Land Commissioners. Plans call for a 45 ft. wide bridge with 40 ft. draw. An appropriation of $55,000 has been allowed for the work.

NEW HAVEN, CONN.—New York, New Haven & Hartford R. R. is stated to have awarded contracts amounting to about $1,300,000 to the AMERICAN BRIDGE CO., 100 Broadway, New York, for improving the Poughkeepsie Bridge. The bridge practically will be rebuilt, although traffic over the old structure will not be impeded.

ITHACA, N. Y.—Bids are asked until Aug. 16 by W. O. Kerr, Cy. Clk., for constructing traffic bridges, as follows, bids on each bridge to be submitted separately: Across Six Mile Creek at Van Natta Mills, to consist of one span 114 ft. or a concrete arch 100 ft. in the clear, 18 ft. roadway, no sidewalks, and a bridge at Clinton St., to have single span 130 ft., or two spans with pier, one span to be 86½ ft. and one span 40½ ft., or a two-span concrete arch of above dimensions. Steel bridges to be riveted construction, buckle plate and concrete floor. K. P. Crandall, Engr. in Charge.

NEW YORK, N. Y.—Contract for extension of bridges over Port Morris railroad branch at Elton Ave., 162d St. and Washington Ave., was let on Aug. 1 to SNARE & TRIEST, 143 Liberty St., for $20,263.

POUGHKEEPSIE, N. Y.—New York Central & Hudson River R. R. is stated to be projecting construction of a bridge over Hudson River between Fort Montgomery and Anthony's Nose. C. E. Lindsay, Division Engr., Albany, N. Y., is reported as in charge.

ATLANTIC CITY, N. J.—Board Freeholders have awarded contracts for building three bridges to JOSEPH C. BROWN, Port Republic, N. J., for a total of $3,348.

CAMDEN, N. J.—Following bids were received Aug. 7 by County Commissioners, Fred W. George, Clk., for building iron bridge over Coopers Creek at Batesville; recommendation of award of contract was to be made Aug. 9: B. F. Sweeten & Son, Camden, N. J., $3,300; Eyre Construction Co., Philadelphia, $3,726; West Virginia Bridge Co., Wheeling, W. Va., $3,690; Mt. Vernon Bridge Co., Mount Vernon, O., $3,850; New Jersey Bridge Co., Manasquan, N. J., $2,997; Canton Bridge Co., Canton, O., $4,280; Berlin Construction Co., New York, $4,300; Owego Bridge Co., Owego, N. Y., $3,999.

BALTIMORE, MD.—County Commissioners have awarded contract for erection of eight reinforced concrete bridges to DOUGLAS, GILMORE & CO., for a total of $4,220. Four additional bridges were also awarded to the above company.

WASHINGTON, D. C.—Proposals will soon be called for by the District Commissioners for the construction of a concrete arch bridge of 125 ft. span over Piney Branch on the line of 16th St.

CHARLESTON, W. VA.—Contract for constructing bridge over Elk River for this city, bids opened July 20, has been awarded to PENN BRIDGE CO., Beaver Falls, Pa., for $48,000.

SPARTANBURG, S. C.—Bids are asked by County Commissioners, F. C. West, Clk., until 11 a. m. Aug. 15 for erection of bridge at Inman Mill.

DAYTON, O.—Bids are asked by T. J. Kauffman, County Audr., until 11 a. m. Aug. 26 for construction of high truss steel bridge over Big Twin Creek on county line road between Jackson Township and Lanier Township. The superstructure consists of two spans each of 150 ft. in length, 16-ft. roadway, capacity 125 lbs. per sq. ft.

CLEVELAND, O.—Bids are asked by County Commissioners, Julius C. Dorn, Clk., until 11 a. m. Aug. 16 for construction of masonry arches as per Report No. 717 in Warrensville Township, and per Report No. 914 in Newburg Township. Wm. H. Evers, County Engr.

ST. CLAIRSVILLE, O.—Bids are asked by A. W. Beatty, County Audr., until 1 p. m. Aug. 15 for furnishing material and erecting five steel bridge superstructures, and for making the excavation, furnishing the material and building the stone or concrete substructures for five bridges, as follows: Over Wheeling Creek in Colerain Township, length of span, 80 ft.; over Wheeling Creek in Pease Township, two spans of 70 ft. each, with pier in center, connecting the two spans; over Captina Creek in Wayne Township, 62 ft.; over Stillwater Creek in Kirkwood Township, 30 ft.; over Moore's Run in York Township, 30 ft.; all of the superstructures to be 14 ft. roadways.

BOWLING GREEN, O.—Bids are asked by County Commissioners, B. C. Harding, County Audr., until Aug. 21, for furnishing materials and constructing a bridge over Portage River in Freedom Township; entire length of bridge to be 140 ft. with a 16-ft. roadway and a single track.

IRONTON, O.—Ashland & Ironton Bridge Co., E. Fisher, Ch. Engr., Ironton, will open bids Aug. 12 for the proposed bridge over Ohio River, connecting Ashland and Ironton, mention of which was made in our Aug. 3 issue. The proposed substructure and concrete piers will cost about $125,000.

ANDERSON, IND.—County Commissioners have awarded to the BLOCK BRIDGE & CULVERT CO., of Indianapolis, Ind., contracts for the construction of five cement bridges, for a total of $7,800.

LOGANSPORT, IND.—Contract for bridge over Wabash to grounds of Country Club has been let to LAFAYETTE ENGINEERING CO., Lafayette, Ind., for $3,500.

RUSHVILLE, IND.—We are advised that WHITNEY, MILK & STEWART, Rushville, have secured the contract from I. & C. traction line for building concrete bridges from this place to Connersville, Ind., on route of that road. The contractors will probably sublet the work.

CHICAGO, ILL.—Bids are asked by Trustees Sanitary District of Chicago, Zina R. Carter, Pres., until Oct. 4 for constructing substructure of a bridge over Chicago River at Dearborn St. Bids are also asked for constructing superstructure of same bridge, the advertisements for both pieces of work appearing in this issue of the Engineering News.

GREAT FALLS, MONT.—Great Northern Ry., J. C. Patterson, Asst. Ch. Engr., St. Paul, Minn., is stated to have plans prepared with intention of calling for bids at once for building a steel bridge across the Missouri River at this place to take the place of the present wooden structure. The new bridge is to be 1,045 ft. long and will cost about $100,000.

VAN BUREN, ARK.—The Fort Smith & Van Buren Bridge & Traction Co. has filed its articles. It is proposed to erect a bridge over the Arkansas at or near Van Buren and operate the same as a toll bridge for railroad and wagon traffic. The capital stock is $50,000. H. E. Kelley, Pres., and Geo. Sengel, Secy.

STILLWATER, OKLA.—Bids were received July 21 by J. H. Donart, County Clk., for constructing 19 bridges, the contract being let to MISSOURI VALLEY BRIDGE & IRON CO., Leavenworth, Kan., at $2 per ft. for erection of bridges and 21 cts. per ft. for driving piles.

DENVER, COLO.—We are advised that contract for constructing bridge over Purgatory River, bids received July 29 by T. W. Jaycox, State Engr., has been let to CHAS. G. SHELBY, Denver, Colo., for $3,370.

SPOKANE, WASH.—Board of Public Works has recommended construction of new bridge over the main channel of the river on Howard St. Span of 220 ft. is required.

HILLSBORO, ORE.—Local reports state that the Atlas Supply & Contract Co. has accepted the bids of WAKEFIELD & JACOBSON, of the Portland Bridge Co., Portland, Ore., for construction of all the bridge work between this city and Banks on the Portland, Nehalem & Tillamook Ry.

STOCKTON, CAL.—County Supervisors of Stanislaus and San Joaquin Counties have directed A. L. Finney, County Surv., Modesto, Cal., to prepare plans and specifications for a concrete bridge over Stanislaus River near Ripon.

FREDERICTON, N. B.—Referring to the highway bridge recently destroyed by fire in this city, J. W. McCready, Cy. Clk., informs us that the work is under control of the Province. It is understood that the Public Works Department for the Province, A. R. Wetmore, Ch. Engr., Fredericton, intends to replace the structure by a steel bridge as soon as the work can be accomplished.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—H. P. CUMMINGS CO., 131 State St., Boston, Mass., have been awarded the contract for the erection of a passenger station in Bangor for the Maine Central R. R., Theodore L. Dunn, Ch. Engr.; Henry B. Fletcher, Arch. The building will cost about $80,000.

BURLINGTON, VT.—Bids are asked at office of James Knox Taylor, Supervising Arch., Washington, D. C., until 3 p. m., Aug. 23, for installation of conduit and electric wiring system for U. S. post-office and custom-house building. (Advertised, Engineering News.)

SPRINGFIELD, MASS.—Shepley, Rutan & Coolidge, Archs., Ames Bldg., Boston, have been appointed by county commissioners to prepare plans for new hall of records. Firm's plans were entered in competition. Prof. F. W. Chandler of Massachusetts Institute of Technology is Advisory Engr.

ALBION, N. Y.—A school building, to cost about $75,000, will be erected here.

ROCHESTER N. Y.—GORSLINE, SWAN & RICE have been awarded contract for fire department headquarters building on Central Ave., at $71,365. J. Foster Warner, Granite Bldg., is Arch.

TROY, N. Y.—ANDREW J. ROBINSON, 123 East 23d St., New York, has been awarded contract, we are advised, at about $125,000 for main building at the Rensselaer Polytechnic Institute.

NEW YORK, N. Y.—RICHARD DEEVES & SON, 305 Broadway, have been awarded contract for a cold storage warehouse to be erected at 528-530 West St. and 100-102 Gansevoort St., for A. D. Russell, 34 East 38th St. L. C. Holden, 1133 Broadway, is Arch.

NEW YORK, N. Y.—MARC EIDLITZ & SON, 489 Fifth Ave., have general contract, on percentage, for erecting a residence at 11 West 57th St., for A. D. Juillard, of 220 Broadway. Trowbridge & Livingston, 424 Fifth Ave., are Archs. Sub-bids are desired by general contractor.

Clinton & Russell, Archs., 32 Nassau St., have been commissioned by the Farmers' Loan & Trust Co., 52 William St., to prepare plans for a new bank building, to be erected at 475 Fifth Ave. Cost, about $500,000. Noted last week.

EDWARD CORNING CO., 656 Broadway, was awarded the general contract for a garage for the Wendell Estate, 175 Broadway. It will be erected at Broadway and 62d St. H. C. Hollwedel, 23 Union Sq., is Arch.

B. J. Levitan, Arch., 20 West 31st St., is taking figures on a $100,000 loft building to be erected at 18 East 16th St. for the Union Square Realty Co., World Bldg.

Plans have been completed for an apartment house to be erected at 142d St. and Broadway for Kight & Dongan Construction Co., 139th St. and Broadway. Neville & Bagge are Archs. Noted last week.

Plans are under way for an addition to the Metropolitan Museum of Art, in Central Park, to cost about $1,250,000. McKim, Mead & White, 160 Fifth Ave., are the Archs. A. R. Wolff, 130 Fulton St., is Consult. Engr.

NEW YORK, N. Y.—W. W. Knowles, Arch., 1135 Broadway, is taking figures on a $300,000 office building to be erected at 304-310 East 23d St. for E. W. Bliss, 312 East 23d St. Building will be 12 stories high, 75 × 100 ft., brick, fireproof.

Neville & Bagge, Archs., 217 West 125th St., have plans for an apartment house for J. V. Signell, 302 Central Park West. It will be erected at Claremont Ave. and 125th St. Noted last week.

Mulliken & Moeller, 7 West 38th St., are architects for an apartment hotel, to be erected at 86th St. and Central Park West, for the Gotham Realty Co. It will cost $1,000,000.

H. J. Hardenbergh, Arch., 1 West 34th St., has plans in progress for a new clubhouse at 18-22 West 40th St., for the New York Club, of which G. P. Sheldon is Pres., 68 William St. Probable cost, $500,000.

Herman Fichter, 306 East 119th St., will receive bids on electric wiring and switchboards for office building in course of construction at Broadway and 148th St. Neville & Bagge, 217 West 125th St., are Archs. Cost, $200,000.

Henry Fouchaux, Arch., Broadway and 162d St., is taking figures on an apartment house to be erected at Audubon St. and St. Nicholas Ave., for Ellen Ryan, 186 Second Ave. It will cost $90,000.

NEW YORK, N. Y.—Robt. D. Kohn, Arch., 170 Fifth Ave., has prepared plans for a hotel, to be known as The Hermitage, at 206-208 West 42d St. and 592 and 596 Seventh Ave., for Tim. F. Paddell, 598 Seventh Ave., who will receive bids. Cost, about $300,000.

Simonson, Pollard & Steinman, Archs., 234 Fifth Ave., have finished plans for an apartment hotel and studio building at 66th St. and Lexington Ave., for East Sixty-Sixth Street Studio Building Co. It will cost about $800,000. W. J. TAYLOR, 5 East 42d St., is general contractor.

M. R. Bimberg, 157 East 86th St., is receiving bids for theater to be built at Broadway and 45th St. George Keister, 11 West 20th St., has prepared revised plans. Cost, about $800,000.

LITTLE SILVER, N. J.—W. G. Lawrence, Arch., 3 West 29th St., is receiving bids on a residence for T. N. McCarter, of 763 Broad St., Newark. Cost, $100,000. Brinley & Holbrook, 156 Fifth Ave., are Landscape Archs.

EAST ORANGE, N. J.—Van Vleck & Goldsmith, Archs., 111 Fifth Ave., New York, are taking bids on a residence for Mrs. F. M. Johnson, of Montclair, N. J.

PRINCETON, N. J.—B. W. Morris, Arch., 5 West 31st St., New York City, will receive bids on switchboards and electric wiring for dormitory buildings at Princeton University. J. W. BISHOP, of Providence, R. I., is general contractor.

PATERSON, N. J.—DAVID HENRY BLDG. CO., Paterson, has been awarded general contract for erecting a department store at Main and Van Houten Sts. Cost, $100,000. Wm. Smith, of 1170 Broadway, is Arch.

PHILADELPHIA, PA.—Bids are asked at office of Light House Engineer, until noon Sept. 9 for construction of dwelling, oilhouse, barn, etc., at Reedy Island Range Light Station, Del. Lt. Col. R. L. Hoxie, U. S. Engrs. (Advertised, Engineering News.)

PUNXSUTAWNEY, PA.—Robinson & Winkler, Archs., House Bldg., Pittsburg, are taking bids on a school house at Punxsutawney, to cost $45,000.

McKEESPORT, PA.—Bids will be received on Aug. 10 for three school houses, for which the architects are Robinson & Wilfkler, House Bldg., Pittsburg; T. J. Herron, Publication Bldg., Pittsburg; and E. J. Carlisle & Co., Westinghouse Bldg., Pittsburg. Buildings will cost about $50,000 each.

WERNERSVILLE, PA.—ADAM P. SPATZ has been awarded contract for new dormitories at State insane asylum.

BALTIMORE, MD.—Simonson & Pietsch, Archs., American Bldg., will prepare plans for office building for Henry Sonneborn & Sons, at Pratt and Paca Sts. Cost will be between $300,000 and $400,000.

BALTIMORE, MD.—CHARLES GILPIN, Union Trust Bldg., has been awarded contract for warehouse at Baltimore and Hanover Sts., for Isaac Hamburger & Sons. Cost is to be about $250,000.

Bids will be received at once for interior finish of the U. S. custom-house here.

Mottu & White, 324 North Charles St., are Archs. for warehouse which Wm. H. Cole & Sons, Saratoga and Holliday Sts., will erect at 40, 42 and 44 South Charles St. Cost, about $100,000.

It is reported that the Center Market Improvement Commission will receive new bids on construction of municipal produce and fish markets to be erected on Centre Market Space. Produce market is to be two stories high, 240 × 270 ft., and cost about $120,000, and fish market is to be two stories high, 135 × 200 ft., and cost about $100,000. Simonson & Pietsch, Archs., American Bldg. Felix Agnus is Chn. Comn.

The Centre Market Improvement Commission has instructed Simonson & Pietsch, the architects, to complete the finished plans and specifications for building for retail market and night school of the Maryland Institute, to be erected on Centre Market Space. Cost, about $215,000.

WASHINGTON, D. C.—Bids are asked at office of James Knox Taylor, Supervising Arch., until 3 p. m., Aug. 22 for installation of electric passenger and freight elevator in west outbuilding, Bureau of Engineering and Printing, Washington. (Advertised, Engineering News.)

COLUMBIANA, ALA.—THE B. C. BYNUM CONSTRUCTION CO., of Montgomery, Ala., has contract to erect court-house for Shelby County. The Bruce Architectural Co., Birmingham, Ala., is Arch. Cost, $72,000.

CHARLOTTE, N. C.—J. A. JONES has been awarded contract to erect 7-story hotel, of fireproof construction, for the Highland Hotel Co. Denny & Wachendorff, Atlanta, Ga., are Archs. Cost, about $200,000.

MEMPHIS, TENN.—Chighizola, Hanker & Cairns, Archs., Scimitar Bldg., have completed plans for two buildings for the Linden Station, a union shipping station and warehouse. The buildings will be of brick, three stories high, 301 × 150 ft. and 135 × 150 ft. Probable cost, $300,000.

LOUISVILLE, KY.—THE SELDEN-BRECK CONSTRUCTION CO., of St. Louis, Mo., has been awarded the contract to rebuild $200,000 station for the Louisville & Nashville Ry. Co.

SOUTH BEND, IND.—R. C. KOEGAN & CO., South Bend, have been awarded the contract for new county asylum at $72,550.

DETROIT, MICH.—Malcolmson & Higginbotham, Archs., 404 Moffat Bldg., will receive bids about Sept. 1 for four 2-story and basement school houses, 100 × 50 ft., for the Board of Education. Wm. J. Lee is Secy., 50 Miami Ave. Cost, about $200,000.

CHICAGO, ILL.—Plans for the new city police station, to be erected at 539-549 State St., will be prepared by Richard E. Schmidt, 172 Washington St., and George Beaumont, 115 Dearborn St., Associate Archs. Building is to cost $150,000.

LA SALLE, ILL.—Victor A. Matteson, Arch., La Salle, has prepared plans for a 2-story public library. Bids will be received this month.

HOUSTON, TEX.—C. C. WENZEL has contract for the erection of 5-story office building for the Houston Land & Trust Co. Sanguinet & Staats are Archs. Cost, $76,700.

SPOKANE, WASH.—It is reported that the contract to erect two barracks buildings at Fort Wright has been awarded to BRINGHAM & HOSKA, the lowest bidders, at $131,870. The firm consists of T. A. Bringham, of Seattle, and Conrad L. Hoska, of Tacoma, Wash.

TORONTO, ONT. — The WOODRUFF-ROBINS CO. has the contract for the erection of St. Patrick's cathedral. Cost, $75,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

SANFORD, ME.—Sanford Water Co. has awarded contract for driving wells for an increased water supply to SMITH BROS., Boston, Mass.

AUGUSTA, ME.—We are informed that following bids were received Aug. 3 by Augusta Water District, W. B. Getchell, Ch. Engr., for building Carleton Pond dam and reservoir: F. B. Lee, Augusta, Me., $11,129; C. E. Hoxie, Augusta, Me., $14,689; E. M. Stacy, Augusta, Me., $18,595.

UXBRIDGE, MASS.—Plans and specifications for furnishing and laying pipe, constructing reservoir, etc., for this town may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until noon Aug. 15, as stated in our advertising columns.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, until 2 p. m. Aug. 16 for the following: Furnishing, delivering and erecting a temporary pumping plant at the New Ridgewood Pumping Station; furnishing, constructing and erecting one pumping engine, with all appliances complete, at the New Gravesend Pumping Station; furnishing, delivering, erecting and connecting four water tube boilers at the New Ridgewood Pumping Station; furnishing, delivering, erecting and connecting two boilers and one economizer at the New Gravesend Pumping Station.

ROCHESTER, N. Y.—Contract for excavation in connection with the new 140,000,000 gallon reservoir for this city is stated to have been let to HENRY P. BURGARD, Prudential Bldg., Buffalo, N. Y.

TURIN, N. Y.—We are informed that following bids were received July 22 by this village, L. T. Strong, Clk., for building waterworks: John J. Siegrist, Bleeker St., Utica, N. Y., $12,617; C. R. Lewis, Ilion, N. Y., $11,778. According to press reports the contract was awarded to MR. SIEGRIST.

LIBERTY, N. Y.—Contract for constructing 1,000,000-gallon reservoir at Loomis Sanitarium, Liberty, has been awarded to MATZINGER & MESLER.

NEW YORK, N. Y.—George C. Boldt, of the Waldorf-Astoria, New York, has let a contract to PETER B. HARTMAN, of Alexandria Bay, N. Y., for the construction of a water and sewerage system on Heart Island.

UTICA, N. Y.—Joseph Dunfee, Syracuse, N. Y., who was recently awarded contract for constructing 4½ miles of pipe line for the Consolidated Water Co., Utica, is reported to have refused to sign the papers. It is also said that John Marsden, Utica, who had a contract for constructing 13 miles of pipe line has given it up. It is understood that the water company will complete the work itself.

NEWARK, N. Y.—We are informed that Municipal Board, R. A. S. Bloomer, intends laying 9,000 ft. of water mains. Contract for digging and filling will be let.

ALLEGHENY, PA.—Following bids were received July 31 by Department of Public Works, E. J. McIlvain, Dir., for building water supply system at Montrose: James McNeal & Bro. Co., $72,000; Thomas A. Gillespie, $74,200; INTERNATIONAL CONSTRUCTION CO., $56,523 (awarded contract). Bids were also received for laying mains in a number of streets, but these were so high that they probably will be rejected and new bids taken.

COATESVILLE, PA.—Bids will be received by Borough Council on Aug. 21 for construction of cement and mactic asphalt bottom to reservoir; also about 450 ft. of concrete conduit. Hugh T. Downing, Boro. Engr. (Advertised, Engineering News.)

McSHERRYTOWN, PA.—Plans are under way by Dreibelbis & Co., 548 Court St., Reading, Pa., for remodeling the water-works at Hanover and McSherrytown. Same engineers are also reported to be making surveys for the West End Water Co., of Lock Haven, which purposes to supply water to Mill Hall, Dunnsburg, Allison, Castena, Lockport and Salona; it is also proposed to install a water power plant of 3,000-HP. capacity in the vicinity of Lock Haven.

WALNUTPORT, PA.—G. W. ANTHONY, Lehighton, Pa., and ROBERT ANTHONY, Franklin, Pa., are reported to have contract for building large reservoir and laying one mile of mains for Blue Ridge Water Co.

NEWPORT NEWS, VA.—Peninsula Pure Water Co. has awarded contract for construction of its water-works J. SAMUEL HILLPOT, Bound Brook, N. J. A $300,000 bond issue is to be floated to pay for the work. J. M. Murphy is to be Engr. of Construction.

PALATKA, FLA.—Wm. W. Lyon, Engr., Memphis, Tenn., is preparing plans for water-works for this city; approximate cost is $60,000.

HORSE CREEK, ALA.—P. Byrne, Engr., 1900½ First Ave., Birmingham, Ala., is making surveys for water-works for this place. Cast-iron pipe, power house, pump and boiler, valves, hydrants, pumping basin and concrete lined resrvoir will be needed.

HOUSTON, MISS.—Bids are asked by this town, care J. M. Griffin, until noon, Sept. 1, for purchase of $13,500 of water and light bonds. (Advertised, Engineering News.)

HAMMOND, LA.—This place was to open bids Aug. 8 for construction of water-works, the official advertisement appearing in the Engineering News. Owing to the strict quarantine regulations due to the fever scare, the date for opening bids for this work has been indefinitely postponed. C. H. Jenks, Fayette, Miss., is Engr.; Jas. B. Adams, Town Clk.

NASHVILLE, TENN.—Board Public Works has awarded contract for two water tube boilers for pumping station to AULTMAN-TAYLOR MACHINERY CO., Mansfield, O., for $12,100.

OWENSBORO, KY.—Bids are asked by Owensboro Water-Works Co., J. J. Sweeney, Pres., until 1.30 p. m., Aug. 31, for furnishing and constructing a clear water supply from the sand and gravel bed across the Ohio River. Owen Ford, Consult. Engr., Security Bldg., St. Louis, Mo. (Advertised, Engineering News.)

TOLEDO, O.—Bids are asked by Board Public Service, Harry Jones, Secy., until noon, Sept. 7, for construction of Sec. 2 of the filtered water conduit. The conduit will be 6 ft. internal diameter, built of concrete, and about 2,900 ft. long. Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised. Engineering News.)

MOUNT HEALTHY, O.—We are informed that vote has not been taken as yet on a bond issue for water-works for this place; election may not be held this year. Mayor Alexis Brown is official in charge.

ALLIANCE, O.—We are informed that matter of issuing of bonds for water-works extensions was defeated at election Aug. 5. O. E. Pfouts is Cy. Engr.

CHICAGO JUNCTION, O.—Bids are reported asked by N. B. Parker, Clk. Bd. Pub. Affairs, until Aug. 17, for furnishing machinery for village water-works. (Post Office, Chicago, O.)

CINCINNATI, O.—Following bids were received by Water-Works Commissioners for laying 42-in. and 48-in. pipes in Eggleston Ave. and 9th St.: Keeling & Ridge, $44,742; Guy M. Gest, $46,403.50; Kirchner Construction Co., $46,804.50; McCarthy Bros., $76,889; engineer's estimate was $39,960.

INDIANAPOLIS, IND.—A. Bruner Co., at $4,050, was lowest bidder for construction of nine fire cisterns and will probably be awarded the contract.

WASHINGTON, IND.—The court has instructed Chas. C. Gardner, Receiver for the water-works plant here, to ask for bids for the construction of a $30,000 filter plant.

INDIANAPOLIS, IND.—Bids are asked by Board Public Works, M. A. Downing, Pres., until 10 a. m., Aug. 14, for following work at Brightwood water-works: Drilling 8-in. well, 150 ft. deep, and equipping same; drilling 8-in. well, 400 ft. deep, and equipment for same; repair and conversion of steam boiler into feed water heater.

MARQUETTE, MICH.—We are informed that no definite action has been taken regarding modifying city pumping system. Matter has been referred back to the engineers for further investigation. Charles Cummings is Cy. Engr.

CHICAGO, ILL.—Bids were opened July 29 by Department Public Works for construction of 6,200 ft. long water tunnel on Polk St., Jackson & Corbett, at $19.90 per lin. ft., being the lowest bidder for tunnel by ordinary construction method, and Great Lakes Dredge & Dock Co., at $24.40 for pneumatic construction.

GARNETT, KAN.—We are advised that contracts for extension of city water-works were awarded July 27, as follows: Pipe, U. S. CAST-IRON SUPPLY CO., St. Louis, Mo.; boilers, hydrants and valves, ENGLISH IRON WORKS, Kansas City, Mo.; pump, GREAT WESTERN MFG. CO., Kansas City, Mo. Burns & McDonnell, Engrs., Kansas City, Mo.; T. M. Hamilton, Cy. Clk.

ARLINGTON, NEB.—Bids are asked by this village, B. F. Hadley, Clk., until 8 p. m. Aug. 22 for construction of water-works, to include erection of pumping station, well, engine, pumps and standpipe, and installation and connections, pipes, mains, hydrants, their laying, etc. M. A. Earl, Engr., First National Bank Bldg., Chicago, Ill.

ENDERLIN, N. DAK.—Bids are asked until 7.30 p. m., Aug. 24 for construction of water-works for this city. E. T. Danielson, Cy. Audr.; T. R. Atkinson, Engr., Fargo, N. Dak.

SEALY, TEX.—Preliminary surveys for an irrigating canal to take its water from the Brazos River at San Felipe, are being made Centrifugal pumps, with 500-HP. engine and boilers will be required. Mr. Ludwig, Ch. Engr., Sealy, Tex., can inform.

SAN ANTONIO, TEX.—Bids are asked by Robert R. Stevens, Q. M., U. S. A., until Aug. 26 for supplying and installing 40-HP. boiler at pumping station Fort Ringgold, Tex.

MEXIA, TEX.—We are informed that water-works system at this place has been sold to McQuatter Plumbing & Machine Co., Hillsboro, Tex. A. B. Rennold is Mayor.

IDAHO SPRINGS, COLO.—Bids will be received at office of City Clerk, until 8 p. m. Aug. 21, for extension of city water-works, to consist of construction of 11,000 ft. conduit line, enlargement and improvement of distributing reservoir, and improvement of city system. George Riley, Mayor.

WALLA WALLA, WASH.—We are advised that this city has been prospecting for water and has about decided to go eight or twelve miles to secure a supply. No definite plans have been made as yet. Matter, however, will probably be in shape in a few weeks. About $100,000 to $150,000 will probably be spent.

SAN BERNARDINO, CAL.—Water Commissioners are stated to have awarded contract for sinking 900-ft. well to H. F. GASNER for $3,171.

SAN DIEGO, CAL.—We are informed that a $54,000 bond issue was recently voted for extension of 30th St. main. G. A. d'Hemecourt is Cy. Engr.

SALT LAKE CITY, UTAH.—Bids are asked by Board Public Works, E. A. Wall, Chn., until noon, Sept. 4, for constructing reinforced concrete conduit, together with dividing station and such other appurtenances as are necessary. Plans and specifications may be seen at offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago. (Advertised, Engineering News.)

NIAGARA FALLS, ONT.—Bids are asked by Board Water Commissioners, James Butters, Secy., until noon, Sept. 2, for construction and installation of a pumping unit; the unit to consist of centrifugal pump of 5,000,000 gallons capacity in 24 hours, working against a head of 125 lbs. per sq. in., direct-connected to a three-phase, 25-cycle, 2,200-volt motor.

PRINCE ALBERT, SASK, N. W. T.—Bids are asked by Mayor Wm. Cowan until Aug. 16 for a pump house, pumping machinery, sedimentation basins, intake walls and two return tubular boilers; also for piping, hydrants, valves, specials and water tower. Wilis Chipman, C. E. Toronto, Ont.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

ROCHESTER, N. Y.—Board Contract and Supply has awarded following contracts for sewer work: WM. FULLER, Curtis and Santu Sts. sewer, $6,931; F. A. BROTSCH & SONS, Saratoga, Vernon and Backus Sts. sewer, $7,256.

SCOTIA, N. Y.—Village Trustees are stated to have rejected all bids received July 27 for construction of sewage disposal plant, and to have decided to call for new bids on different propositions. James A. Hoyt, Jr., is Village Clk.

POTSDAM, N. Y.—Bids are asked by Village Trustees, Wm. McCormick, Village Clk., until 8 p. m., Aug. 15, for construction of 545 ft. of sewer.

NEWARK, N. J.—Board of Works has awarded contract for sewer construction, as follows: ALFRED F. LUTZ, concrete and pipe sewer in Sussex Ave., $5,968; pipe sewer in Central Ave., $3,174.

NEWTON, N. J.—Bids are asked until Sept. 2 for laying seven miles of pipe sewers; also for furnishing sewer pipe; and for building two sewage purification plants. Williams & Whitmore, Engrs., 17 Battery Pl., New York. (Advertised, Engineering News.)

WEST HOBOKEN, N. J.—Bids are asked by Town Council, John P. McMahon, Town Clk., until 8 p. m., Aug. 16, for construction of sewers in Hackensack plank road, Spring St., Summit Ave., Central Ave., Sip St., Dubois St., Walnut, Jeanette, Elm, Ann and Angelique Sts.

ST. CLAIR, PA.—Borough Clerk is reported to be calling for bids for construction of 4,000 ft. of sewers.

WASHINGTON, D. C.—[illegible] are asked by District Commissioners [illegible] on, Aug. 21, for furnishing cast-iron pi[illegible] specials for outfall sewage disposal sy[illegible] (Advertised, Engineering News.)

WASHINGTON, D. C.—[illegible] are asked by District Commissioners un[illegible] on, Aug. 21, for constructing sewers in [illegible] District of Columbia. (Advertised, Eng[illegible] News.)

LAURENS, S. C.—Contra[illegible] constructing sewer system here has b[illegible] to C. S. BURKHALTER & BRO., [illegible]ham, Ala., for $18,492. Contract for [illegible] etc., was let to CHATTANOOGA SEWE[illegible] & PIPE BRICK CO., Chattanooga, [illegible] for $6,420.

MACON, GA.—Contract [illegible] constructing seven miles of sewers for [illegible] has been awarded to A. L. PATTER[illegible] & CO., Macon, Ga., for $37,050.

GAINESVILLE, FLA.—W[illegible] informed that W. W. Lyon, Engr., M[illegible], Tenn., is preparing plans for sewera[illegible]em for this place. About 15 miles of [illegible] to 18-in. sewers will be laid.

PADUCAH, KY.—ROBERT [illegible] & GARNER, Paducah, have been [illegible] ed the subcontract to build the storm [illegible] water sewer under the street reconstruc[illegible] contract recently let to the Southern Bi[illegible] Co. Contract will amount to about $[illegible].

DAYTON, O.—Board Publi[illegible] Service has awarded following contracts [illegible] sewer work, for which bids were opened [illegible]27. M. O. HERRON & CO., sanitary [illegible] in District No. 5, $24,705; storm sewe[illegible] in First St., $10,109; sanitary sewer in District No. 9, $4,506. WM. HILT, storm [illegible] sewer in Coate Ave., $2,731.

COLUMBUS, O.—Bids were received Aug. 4 by Department Public Service [illegible]ullan Griggs, Ch. Engr., for construction of [illegible] Run storm sewer and a portion of the West Side sanitary sewer, the contract being awarded to WESTWATER & CASEY, Columbus, O., for $60,455. Itemized bids will be given under Contract Prices. Bids were also received at same time and place for construction of Jackson Pike sanitary sewer and crossover sewers in Sullivant Ave. and Medbowell Sts., the bids received being as follows: (1) bid on brick sewer, (2) bid on brick and concrete sewer: M. O'Herron & Co., Pittsburg, Pa., (1) $53,190, (2) $57,299; C. T. McCracken & Co., Columbus, O., (1) $54,962, (2) $59,881; A. F. Helm, Cleveland, O., (1) $68,215, (2) $70,353.

CINCINNATI, O.—Board Public Service on July 28 awarded contract for constructing sewer in Grand, Hawthorne and Considine Aves. to McCARTHY BROS. for $17,437.

BEREA, O.—Bids are asked by Village Council, O. R. Stone, Village Clk., until noon, Aug. 21, for constructing drain of 24-in. sewer tile in West St.

ST. MARYS, O.—We are informed that a $75,000 bond issue will be voted upon in November. Proceeds are to be used for sanitary sewer system. Plans for this work were prepared two years ago by J. P. Force, Columbus, O. F. C. Kenthan is Cy. Engr.

CANTON, O.—We are advised that resolution has been passed by Council to prepare plans and estimates for sewering Schrivers Run. About two miles of storm sewers would be required. F. E. Myers is Cy. Engr.

MOORESVILLE, IND.—Indianapolis Sanitary Society, according to reports, is to prepare plans for sewer system at this place. J. E. Comer is Town Clk.

GOSHEN, IND.—Bids are asked by B. C. Bender, Cy. Clk., until 7.30 p. m., Aug. 14, for construction of sewer in North Third, North Main, Garden and Middlebury Sts.

MANITOWOC, WIS.—Bids were opened July 27 by Board Public Works for constructing 1½ miles of sewers; Harding & Nelson, Racine, Wis., at $18,240, and Green & Son, Appleton, Wis., at $18,358 were lowest bidders.

MILWAUKEE, WIS.—Board Public Works has awarded contract for building brick sewer in Keefe Ave. to E. BOWLES, for about $16,000.

DES MOINES, IA.—Bids are asked by Board Public Works until Aug. 23 for building about 1,600 ft. of 12-in. vitrified clay pipe sewer.

AMES, IA.—Bids are asked by this city until 8 p. m., Aug. 28 for the construction of about 3½ miles of 8-in. and 10-in. sanitary sewers. A. Marston, Engr.; A. B. Maxwell, Cy. Clk. (Advertised, Engineering News.)

OSKALOOSA IA.—Bids are asked by Richard Burke, Cy. Clk., until 8 p. m., Aug. 14, for furnishing 340 ft. of 24-in. sewer tile, for ft. of it double strength and the remainder standard; and for 333 ft. of 12-in. sewer tile; also for digging and laying 673 ft. of sewer.

GLENWOOD, MINN.—Bids are asked by Village Council, Geo. S. Blood, Village Recdr., until 8 p. m., Aug. 15, for construction of 800 ft. of 8-in. sewer.

PIPESTONE, MINN.—We are advised that the following bids were received Aug. 2 by Common Council, S. W. French, Cy. Recdr., for constructing pipe sewers: R. F. WESTON, La Crosse, Wis., $12,466 (awarded contract); Symes & Powers, Sioux Falls, S. Dak., $14,696; Fraser & Elliott, Rochester, Minn., $14,816; A. C. Schreiter & Co., Port Washington, Wis., $14,537.

FORT SCOTT, KAN.—We are informed that contract for Fourth District sewer in this city has been let to W. W. COOK & SON. U. S. Stoner is Cy. Engr.

GRAFTON, N. DAK.—We are informed that contract for about 4,000 ft. 8-in., 12-in. and 18-in. pipe sewer, with reinforced concrete septic tank, grit chamber and frame pumphouse with gasoline engine and centrifugal pump, was awarded to SYMONS-POWERS CO., Sioux Falls, S. Dak., for $7,500. Bids for the work were opened Aug. 7 by L. B. Baldwin, Supt. Institute for Feeble Minded.

SHERIDAN, WYO.—Bids are asked by Mayor and Board of Trustees until 8 p. m., Aug. 21, for furnishing materials and constructing a sewer system. El W. Long, Town Clk. (Advertised, Engineering News.)

PORT ARTHUR, TEX.—R. C. Holmes has accepted franchise to install sewer system at this place.

TULSA, IND. T.—We are informed that bids will be opened Aug. 21 for about $30,000 worth of sewer construction. J. Gus Patton is Engr.; N. H. Gubser is Cy. Recdr.

SAN FRANCISCO, CAL.—We are informed that contract for construction of sewers in Fourth St., from Howard St. to Channel St., including sewers for sewage only and for storm water, has been let to CITY STREET IMPROVEMENT CO. for $73,988. Plans have been prepared and bids will be received soon for construction of a sewer in Sixth St., estimated to cost $60,000, and a sewer in Persia Ave., estimated to cost $30,000. Thos. P. Woodward is Cy. Engr.

SAN DIEGO, CAL.—We are informed that a $75,000 bond issue was recently voted for storm sewer in B St. Sewer is to be of reinforced concrete construction. We are also informed that bond issues for sewers at La Jolla and for Cajon water proposition were defeated. G. A. d'Hemecourt is Cy. Engr.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

NORTHAMPTON, MASS.—O. T. BENEDICT, Pittsfield, Mass., has been awarded the contract for building a state road in the town of Northampton, Mass.; price, $4,061. Bids were received Aug. 3.

DEERFIELD, MASS. — HAMMOND & WALSH, Pittsfield, Mass., have been awarded the contract for building a state road in the town of Deerfield, Mass.; price, $3,808.

STOUGHTON, MASS. — EDWARD J. ROURKE, Abington, Mass., has been awarded the contract for building a state road in the town of Stoughton, Mass.; price, $5,236.

BUFFALO, N. Y.—Bids were opened July 27 by Department of Public Works for street improvement work, low bidders being as follows: Repaving Elk between Ohio and Michigan Sts., shale brick, L. H. Gipp, $3,700; repaving Sycamore, Michigan to Hickory, asphalt, John Seibert, Jr., $7,465; paving same street, Hickory to Mortimer, asphalt, $2,833; repaving same from Mortimer to Fillmore, asphalt, H. P. Burgard, $12,750; paving widened portion, John Seibert, Jr., $10,214.

WATERVLIET, N. Y.—Contract for constructing about eight miles of cement sidewalk here has been let to HINMAN & SPROUL for about $50,000.

ROCHESTER, N. Y.—Board of Contract and Supply on July 26 awarded following contracts for street improvement work: Terry St., brick pavement, CHAMBERS & GRADY, $3,049; Ravine Ave., brick pavement, H. N. COWLES, $29,207; Shelter St., brick pavement, CHAMBERS & GRADY, $15,741.

BROOKLYN, N. Y.—Bids are asked until Aug. 16 by Martin W. Littleton, Boro. Pres., for regulating, grading, curbing, paving and laying sidewalks on portions of 15 streets. Engineer's estimate: 32,850 sq. yds. asphalt block, 2,483 sq. yds. granite block; 25,520 lin. ft. new curb, furnished and set in concrete; 100,442 sq. ft. cement sidewalks, 4,280 cu. yds. concrete, 45,270 sq. ft. cement concrete walk, 32,050 cu. yds. earth excavation, etc.

BAYONNE, N. J.—Following bids were received Aug. 1 for improvement of West 26th St., by asphalt paving, curbing, etc.: Uvalde Asphalt Co., $10,877; Barber Asphalt Paving Co., $11,466. F. W. Dalrymple, Cy. Engr.

ELIZABETH, N. J.—We are informed that the Barber Asphalt Co. was only bidder paving Jefferson Ave. with asphalt, this company offering the following bid: 6,398 sq. yds. asphalt on depressed block, $2.11 per sq. yd.; 556 sq. yds. asphalt, no foundation, $1.70 per sq. yd.; 3,876 sq. yds. block relaid, concrete base, tar and gravel, $4.50 per sq. yd. W. H. Luster, Jr., is Cy. Surv.

FORT HANCOCK, N. J.—Bids are asked until Sept. 1 for constructing macadam roadways and concrete sidewalks at this post. Abe S. Bickham, Q. M.

HARRISBURG, PA.—Under the law passed by the last legislature the State Highway Department has received in the aggregate 349 applications for the building of a total of 650 miles of road, the cost of which will be between $3,000,000 and $4,000,000. These applications cover about 60 counties.

RANKIN, PA.—Borough Council has awarded contract for grading and paving Swissvale Ave. to McCRADY BROS. & CO., Braddock, Pa.

WEST HOMESTEAD, PA.—Borough Council has awarded contract for grading and paving all of the streets in the borough to FRANK O. ERBECK & CO., Homestead, Pa., for about $61,000.

PITTSBURG, PA.—Contracts for asphalt paving here, involving expenditure of about $100,000, have been awarded to the BARBER ASPHALT PAVING CO.

PITTSBURG, PA.—Bids are asked by County Commissioners, R. J. Cunningham, County Controller, until noon, Aug. 17, for permanent improvement of the Boston road extension. F. W. Patterson, County Road Engr.

JERSEY SHORE, PA.—We are informed that contract for paving Allegheny St. with vitrified block, bids for doing which were received July 29 by Borough Council, J. Frank Gray, Secy., has been awarded to BUSCH & STEWART, Williamstown, Pa., for about $21,615.

TOWSON, MD.—Bids are asked by Highways Commission for Baltimore, Md., until noon, Aug. 17, for grading and macadamizing 1 1-5 miles of road; bids are also asked for grading and macadamizing 1¼ miles of road. H. G. Shirley, Road Engr.

SISTERSVILLE, W. VA.—We are informed that Council has rejected all paving bids and that city has started to do the work. W. F. Rice, St. Comr., is in charge. W. B. Woodruff is Cy. Clk.

LOUISVILLE, KY.—Contracts amounting to about $20,000 for paving alleys have been awarded as follows: R. LEE FIGG, seven alleys; GEORGE GOSNELL, three alleys.

AKRON, O.—Following bids were received July 27 by Board Public Service for resurfacing Howard St. with asphalt: McShaffrey & Son, $21,702; Henry Mayer, Erie, Pa., $12,449. It is likely that the work will be readvertised.

CINCINNATI, O.—Board Public Service has awarded contract for grading and curbing Enright Ave. to DRACH CONSTRUCTION CO., for $19,227. Bids were received July 27 by Board Public Service, Geo. F. Holmes, Clk., for repaving Second St., McClure Sons Co. being lowest bidder, at $100,210.

NORWOOD, O.—Bids are asked by Board Public Service, E. R. Edwards, Clk., until noon, Aug. 19, for macadamizing roadbed, constructing concrete curbs and gutters, necessary culverts, crosswalks and drains and sanitary sewer in Marsh Ave. J. A. Stewart, Cy. Engr., Traction Bldg., Cincinnati, O.

MADISONVILLE, O.—Bids are asked by J. A. Conant, Village Clk., until 8 p. m., Aug. 23, for labor and material for repair and resurfacing of improved streets. Work required: Stone, 2,579 cu. yds.; crushed stone or screenings, 750 cu. yds.; sprinkling and rolling, 36,000 sq. yds.

CINCINNATI, O.—Bids are asked by Board Public Service, Geo. F. Holmes, Clk., until noon, Aug. 17, for improvement of East 12th St. by grading, setting granite curbs and paving roadway with granite blocks.

COLUMBUS, O.—Board Public Service has awarded following contracts for street improvements: Paving Leonard Ave., D. E. SULLIVAN & SON, $7,368; repairing Fifth St., A. G. PUGH, $8,567; paving Cypress Ave., W. E. SCHWARTZ, $9,481.

PORTSMOUTH, O.—Bids are asked by Board Public Service, Jno. M. Wendelken, Clk., until noon, Aug. 29, for improving several streets by grading, setting curbs and gutters, constructing drains and retaining walls and paving.

FAIRVIEW, MICH.—Council has awarded contract for paving Jefferson Ave with brick through this village to the CLEVELAND TRINIDAD PAVING CO., Cleveland, O., for $217,013.

LANSING, MICH.—We are informed that bids were received July 31 for paving with brick on several streets, the contracts being awarded as follows: FRANK FARRELL, Lansing, Mich., Grand St., $3,460; Walnut St., $2,960. W. H. McKALE, Capitol St., $3,050; Western Ave., $3,798. The bids cover work complete and all material except brick for paving. Paving grout filled on sand foundation with artificial stone curbs. H. A. Collar is Cy. Engr.

MOUNT CLEMENS, MICH.—Contract for paving Cass and North Cass Ave. with metropolitan brick has been let to KAUMERER BROS., Port Huron, Mich., for $36,686.

PETERSBURG, ILL.—Contract for 8,600 sq. yds. brick paving, bids opened Aug. 1, has been let to JOHN CHERRY, Jacksonville, Ill., for $15,600.

MADISON, WIS.—We are informed that bids will be opened Aug. 30 for paving with asphalt on four streets about the capitol square. About 20,000 sq. yds. are to be laid. John D. Icke is Cy. Engr.

GREEN BAY, WIS.—Contract for about 17,898 sq. yds. of resurfacing of macadam pavement on Jefferson and Porlier Sts. has been let to J. K. DELANEY for $6,845.

CENTERVILLE, IA.—Bids were received July 26 for brick paving in this city, the contract being awarded to the DAVENPORT CONSTRUCTION CO., Davenport, Ia., for $105,935. Iowa Engineering Co., Engrs., Clinton, Ia. (See also under Contract Prices.)

GLENWOOD, IA.—We are advised that a report and recommendation for doing 18,000 sq. yds. brick paving, 8,300 sq. yds. macadamizing and 11,000 lin. ft. of curbing, are before the Council and were to be considered Aug. 10. After which orders will be given for such work as will be done this year. Est. cost of paving is $39,300. Seth Dean is Cy. Engr.

TULSA, IND. T.—Construction of brick pavement in this city is proposed. J. Gus Patton is Cy. Engr.

SEATTLE, WASH.—Contract for regrading, etc., Third Ave. has been let to C. J. ERICKSON, Globe Bldg., Seattle, Wash., for $42,552. Bids were received July 29. Itemized bid of successful contractor is given under Contract Prices.

SEATTLE, WASH.—Bids are asked by C. B. Bagley, Secy. Pub. Wks., until Aug. 19 for following work: Grading North 39th St., Ross Pl. and other streets; to tal est. cost, $25,650; constructing concrete sidewalks on East Jefferson St., Northlake Ave. and other streets; total est. cost, $57,350.

SAN FRANCISCO, CAL.—We are advised that contract for paving with asphalt on Valencia St., from 18th St. to Mission St., has been awarded to CITY IMPROVEMENT CO. for $42,357.

WALLACE, IDAHO.—The Idaho Intermountain Wagon Road Commission, F. R. Gooding, Chn., will receive bids until Sept. 1 for construction of roads and trails as follows: From Hord's mill on St. Joe River to summit of the St. Joe range, 2¼ miles; from end of trail at Cedar Creek to St. Joe River, about 10 miles; from Rex mill to mouth of Granite Creek at Raven. Plans and specifications at office of Geo. R. Trask, Engineer in Charge, Wallace, Idaho.

KOOSKIA, IHAHO.—Idaho Intermountain Wagon Road Commission, F. R. Gooding, Chn., will receive bids for construction of about two miles of wagon road from Kooskia along middle fork of Clearwater River, according to plans and specifications of F. P. Turner, which may be seen at store of Jack Willis, Kooskia. Bids to be submitted on or before 6 p. m., Aug. 28. Bids must be addressed to M. E. Lewis, care Jack Willis, Kooskia, Idaho. Certified check of 5% required.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—The Consolidated Gas Co., 4 Irving Pl., it is reported, will build a boiler house on 16th St., near Avenue C, to cost about $10,000.

H. Fouchau, Arch., Broadway and 162d St., is taking figures on a factory to be erected at Hudson and North Moore Sts., for S. J. Volk, 138 Franklin St. Cost, $50,000.

The Standard Gas Light Co., 61 East 59th St., will erect a concrete and brick boiler house at 62d St. and Avenue A. Probable cost, $35,000.

BUFFALO, N. Y.—The Ruggles-Coles Engineering Co., 39 Cortlandt St., New York, will prepare plans and build a slag cement mill for the Niagara Cement Co. The company is organized for the purpose of manufacturing Portland cement from blast furnace slag. Estimated cost of plant is $100,000. The officers of the company are William B. Ruggles, 39 Cortlandt St., New York City, Pres.; John P. Seymour, vice-Pres. and Gen. Mgr.; William B. Reading, Treas.; C. A. Collins, Secy.

A new factory will be erected by S. H. WOODRUFF CONSTRUCTION CO., for L. M. Ericsson & Co., on the N. Y. Central tracks at Ontario St., to be used for the manufacture of telephones.

ALLENTOWN, PA.—Bids have been received by Jacoby & Weishampel, Archs., 623 Commonwealth Bldg., for the erection of a factory building for the Allentown Flint Bottle Works.

TEMPLE, PA.—H. M. DREIBELBIS & CO., Engrs., 548 Court St., Reading, Pa., are stated to have plans for a cement, brick and sewer pipe manufacturing plant for Shalters & Sanders.

BYERS, PA.—The United States Graphite Co., 1208 Arch St., Philadelphia, is having plans prepared for a new graphite mill.

ALLENTOWN, PA.—P. A. Kley, Arch., 1936 Sansom St., Philadelphia, has invited bids for rebuilding a packing plant for Arbogast-Bastian Co.

PHILADELPHIA, PA.—The Julius Keller Mfg. Co., 21st St. and Allegheny Ave., has invited sub-bids for a factory at 21st and Clearfield Sts.

Ballinger & Perrot, Archs., 1200 Chestnut St., have invited bids for a factory, at American and Willow Sts., for C. J. Matthews.

Bids have been received by William Steele & Sons, 16th and Arch Sts., for additions to a foundry at Second St. and Glenwood Ave.

LESTER, PA.—Ballinger & Perrot, Archs., 1200 Chestnut St., Philadelphia, have invited bids for a piano factory here for the Lester Piano Co.

KINGSTON, PA.—The Adder Machine Co. has received bids for erection of machine shop. Estimated cost, $50,000.

WEST CHESTER, PA.—P. E. JEFFRIES, of West Chester, has been awarded contract for power house and laundry for State Normal School.

BALTIMORE, MD.—H. Noble & Co., 623 South Caroline St., have awarded contract to B. W. & E. MINOR, 20 Clay St., for the construction of factory building at 623 South Caroline St. Cost, about $4,000. J. C. Spedden, Arch., 500 South Paca St.

BALTIMORE, MD.—Greenwald Bros., Union Stock Yards, will erect a new abattoir. Six buildings will be built, 70 × 100 ft., 50 × 50 ft., 40 × 50 ft., 60 × 30 ft., 50 × 60 ft. and 20 × 60 ft.; one and two stories, brick, concrete, stone and frame. Cost, about $75,000.

BALTIMORE, MD.—Simonson & Pietsch, Archs., Hoen Bldg., have been commissioned by Henry Sonneborn & Co., to prepare plans for a 9-story factory building, 200 × 150 ft., to be erected at Pratt and Paca Sts. Plans will be ready for bidders about Sept. 1. Cost will be about $300,000.

Jacob Gerwig, Arch., Park Heights Ave., has plans for a 2-story addition, 35 × 86 ft., to the factory of John Vollenweider, at 800 Pennsylvania Ave. Cost, about $10,000.

WASHINGTON, D. C.—W. E. SPEIR CO., Bliss Bldg., has been awarded contract for a building and laundry at 18th and D Sts., N. W., for the Frazee-Potomac Laundry Co. Cost, $65,000.

NORFOLK, VA.—The Cameron Automobile Co., of Providence and Pawtucket, R. I., may erect a factory at Norfolk, to manufacture automobiles. W. E. Brownell is representing company at Norfolk.

Bids have been received by Widmann, Walsh & Boisselier, Archs., Wainwright Bldg., St. Louis, Mo., for a $100,000 bottle and wash house, to be erected at Norfolk, for the Anheuser-Busch Brewing Association, St. Louis, Mo.

WAYCROSS, GA.—The Hicks Gas Motor Co. has been organized to manufacture stationary and marine gasoline engines in this city. J. B. Hicks is promoter.

COLUMBUS, GA.—The Swift Manufacturing Co. will erect a 4-story addition and install 5,000 spindles, at a cost of between $75,000 and $100,000. Harry L. Williams is Pres.

LIVE OAK, FLA.—The Live Oak Sash & Door Co., recently incorporated with $25,000 capital stock, has completed organization, with Joe S. Roof, Pres.; H. H. Hare, vice-Pres.; and R. E. McNeill, Secy.-Treas. A building 150 × 200 ft. will be erected and equipped for manufacturing sash, doors, blinds, etc.

WYLAM, ALA.—It is reported that the Callahan Company, of Knoxville, Tenn., will erect cottonseed-oil mill at a cost of $80,000.

MERIDIAN, MISS.—New machinery will be installed at the Beatrice Cotton Mills at a cost of $250,000. L. Cohen is Gen. Mgr.

LUMBERTON, MISS. — The Lumberton Naval Stores Co., of Hattiesburg, Miss., will rebuild turpentine spirits plant at Lumberton. It was recently burned at loss of $40,000.

NASHVILLE, TENN.—The Tennessee Cement and Lime Co. has been chartered. Incorporators are Thomas H. Warren, R. T. Van Valkenburg, James G. Brown, Charles Walker and O. W. Corbitt. Capital stock is $25,000. The plant as proposed will have a capacity of 500 barrels of cement a day, and the lime output will be 1,000 bushels a day.

LOUISVILLE, KY.—A new brewery will be erected here by the Falls City Brewing Co. Cost, $250,000.

MENTOR, O.—Root & McBride Co., Cleveland, will erect a large knitting factory at Mentor. Plans have been prepared.

CLEVELAND, O.—SAMUEL AUSTIN & SON CO. has been awarded contract to build a knitting mill at Perkins and Buckeye Sts., for Friedman, Blau & Farber Co. Noted on July 20.

HOLLAND, MICH.—Charles P. Limbert & Co., of Grand Rapids, will build a plant at Holland, at which place the manufacture of furniture will be carried on.

DETROIT, MICH.—Malcomson & Higginbotham, Archs., 404 Moffat Bldg., have plans ready for figures for enlarging foundry for Stephen Pratt, at Beecher Ave. and M. C. R. R. tracks.

The Murphy Heating Co. has decided to expend $200,000, it is reported, in extending its steam heating system. Chas. E. Murphy is Secy., Penobscot Bldg.

A. A. ALBRECHT, Union Trust Bldg., has contract to build a 3-story factory for Fred Stevens, at Third and Larned Sts. Donaldson & Meier, Penobscot Bldg., are Archs.

PONTIAC, MICH.—Fisher Bros., Archs., Pontiac, have completed plans for a factory building for the Rapid Motor Vehicle Co., for which bids are being received.

ITHACA, MICH.—It is reported that the Armour Co. will build drying sheds, etc., at its wood-working plant.

DETROIT, MICH.—A 3-story factory will be erected by the Detroit Steel Boat Co. Louis Kamper, 10 Goebel Bldg., is Arch.

CHICAGO, ILL.—It is reported that the Adams & Elting Co. will build a manufacturing plant, to cost $125,000, at 45th Ave. and Taylor St.

Nimmons & Fellows, Archs., Marquette Bldg., are taking figures on a manufacturing plant to be built at Chicago Heights, Ill., for the Norden Frog and Crossing Works. It will comprise a factory, 250 × 700 ft., power house, pattern shop, office building. Est. cost, $225,000.

Bids will be received by the Shank Co., 134 Clark St., for a factory to be built at Blackhawk and Dayton Sts. Probable cost, $100,000. H. L. Ottenheimer, Monroe St., is Arch.

OTTUMWA, IA.—Frank Fiedler, Arch., East Main St., Ottumwa, will receive bids about Aug. 10 for a 2-story factory building, 62 × 76 ft., for W. R. Daum.

CLINTON, IA.—GROFF & DERR, La Crosse, Wis., have the contract for erection of a furniture factory for the Anderson & Winter Mfg. Co., at Clinton. Building will be three stories high, of mill construction. Cost, $17,000.

ST. PAUL, MINN.—The International Bavarian Brewing Co. has been incorporated here by Matt Hausen, D. J. Hetzel and Carl Herzfeldt. Negotiations are now under way for a site for a new plant, to cost about $200,000 complete.

ST. PAUL, MINN.—Long & Long, Archs., 830 Hennepin Bldg., will receive bids for a 9-story, reinforced concrete, cold storage plant, for A. Booth & Co. Cost, about $100,000.

OMAHA, NEB.—Stroud & Co., of 14th and Nicholas Sts., will erect a $50,000 factory at 20th St. boulevard and Commercial Ave., for manufacture of railway contractors' supplies, grading and dump wagons, etc.

OMAHA, NEB.—Adams & Kelly Co., Nicholas St., has awarded contract to PARKS, JOHNSON & PARKS, of Omaha, for addition to planing mill and factory.

ST. LOUIS, MO.—H. C. Clymer, Arch., Wainwright Bldg. has received bids for a 3-story factory building, 108 × 140 ft., for the Joseph W. Moon Buggy Co., at 21st and Pappin Sts. Estimated cost, $30,000.

The Missouri, Kansas & Texas R. R. Co., Wainwright Bldg., has received bids for a 2-story blacksmith and work shop, to cost about $15,000. S. B. Fisher is Ch. Engr., at St. Louis.

DALLAS, TEX.—The Chase Furniture & Coffin Co. has incorporated with $100,000 capital stock to manufacture furniture, mattresses, coffins, etc. Incorporators are G. B. Chase, J. E. Chase, J. Chase, of Dallas; and J. F. Lindley, Jr., of Indianapolis, Ind.

FORT WORTH, TEX.—James Bros. will establish a tannery here.

BREMERTON, WASH.—T. Ryan, Sullivan Bldg., Seattle, Wash., submitted lowest bid, at $17,900, on Aug. 5, for extension to joiner shop at Puget Sound Navy Yard. Four bids were received, we are informed.

NAPA, CAL.—B. M. Solomon is interested in organization of a company, which plans to build a cannery at Napa Junction.

LEHI, UTAH.—The Lehi Mill & Elevator Co. will erect a flour mill. Cost, about $25,000. Funds are secured.

VALLEJO, CAL.—E. N. Strasbourger, of Cleveland, O., will build a wall-paper factory here, it is reported. J. W. Hartzell, Pres. Twenty Thousand Club, is interested.

IGERNA, CAL.—The Durney sawmill, near Igerna, was totally destroyed by fire on July 23. The loss will exceed $30,000. The property belonged to the J. & N. Durney Lumber Co.

RAT PORTAGE, ONT.—J. J. McDIARMID, of Winnipeg, Man., has the contract for erection of the Canadian Pacific R. R. Co.'s boiler house, at Kenora. Cost, $20,000.

HAILEYBURY, ONT.—A company is being organized here for the purpose of manufacturing wooden and pulp articles at this town. It is reported that the company will expend $500,000 for a plant. Address Mayor Lawler.

TORONTO JUNCTION, ONT.—The Canada Sand, Lime & Pressed Brick Co. has been incorporated, with a capital of $60,000, to manufacture brick, etc. W. M. Flavelle, John Carew and Robert Kennedy, of Lindsay, Ont., are interested.

WINNIPEG, MAN.—The Dominion Bridge Co., of Montreal, Que., will build a plant at Winnipeg.

ST. BONIFACE, MAN.—Pearson, Darling & Over, Archs., of Winnipeg, are preparing plans for flour mill, which will be built in St. Boniface by the Western Canada Flour Mills Co. The plant will consist of a 4,000-bbl. mill, 500,000-bu. storage elevator, and 75,000-bbl. storage warehouse, it is said. Estimated cost, $250,000.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—San Francisco, Cal.—Bids are asked until Sept. 5 for dredging in Oakland Harbor. Col. W. H. Heur, U. S. Engrs.

HOIST.—Washington, D. C.—Bids are asked by Bureau Yards and Docks until Sept. 16 for 15-ton auxiliary hoist for 100-ton crane at New York Navy Yard.

DREDGING.—Mobile, Ala.—Bids are asked until Sept. 5 for dredging in Mobile Harbor. Major W. E. Craighill, U. S. Engrs. (Advertised, Engineering News.)

DRAINAGE CANAL.—Cornwall, Ont.—Contract for building River aux Raisins drainage canal has been awarded to GAGNON & BARRETT, Moose Creek, Ont., for about $45,000.

DREDGING.—Charleston, S. C.—Bids are asked until Sept. 9 for dredging canal between Charleston Harbor and Bulls Bay, S. C. G. P. Howell, Engrs. (Advertised, Engineering News.)

SCALE.—Portsmouth, N. H.—Bids are asked by Bureau Yards and Docks, Washington, D. C., until Aug. 26 for a 100-ton railroad and wagon scale for navy yard, Portsmouth.

CRANE.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Sept. 12 for cantilever crane for Mare Island, Cal., Navy Yard. H. T. B. Harris, Paym. Gen., U. S. N.

PROTECTION CRIB.—Waukegan, Ill.—Bids are asked by City Council, until 7.30 p. m. Aug. 14, for construct on of a timber crib. W. S. Bullock, Mayor. H. Thacker, Town Clk. (Advertised, Engineering News.)

DREDGING.—New York, N. Y.—Bids are asked until noon Sept. 7, for dredging and rock removal in East River and Hell Gate, N. Y. Col. W. R. Livermore, U. S. Engrs. (Advertised, Engineering News.)

BREAKWATER EXTENSION.—Grand Rapids, Mich.—Bids are asked until 3 p. m., Sept. 6 for extension of west breakwater at Petoskey, Mich. Col. M. B. Adams, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—Cleveland, O.—We are informed that contract for 800,000 cu. yds. of dredging in Cuyahoga River for this city has been let to WILLIAMS BROS & MORSE. Est. cost of work is $132,000.

TUNNEL.—Montrose, Colo.—Bids are asked by U. S. Reclamation Service, Montrose, until Sept. 26 for completion of Gunnison Tunnel, involving about 27,500 lin. ft. of tunnel. (Advertised, Engineering News.)

PIER WORK.—Buffalo, N. Y.—F. G. Ward, Comr. Pub. Wks., is stated to have awarded contract for rebuilding nose of inlet pier in Niagara River, bids received July 12, to BUFFALO DREDGING CO. for $34,940.

DERRICK.—Washington, D. C.—Bids are asked by Bureau Yards and Docks, Washington, until Sept. 9 for self-propelling derrick of about 250 tons capacity for Naval Station, Guantanamo, Cuba. M. T. Endicott, Ch. Bureau.

SUBWAYS.—Memphis, Tenn.—Bids will be received at city hall, care Register Armour, until Aug. 15 for constructing two subways, one at Main St., to cost $70,000, the other at Mississippi Ave., to cost $76,787. J. A. Omberg, Jr., is Cy. Engr.

DREDGING PUMPS ETC.—St. Louis, Mo.—Bids are asked until noon Sept. 8 for furnishing centrifugal dredging pumps, pillow blocks, cc beams, p.pe lines and flexible joints. Major Thos. L. Casey, U. S. Engrs. (Advertised, Engineering News.)

OCEAN PIER.—New York, N. Y.—Negotiations are reported to be pending for the construction of steel pier to extend out into the ocean at least 3,000 ft. at Brighton Beach. Wm. A. Brady, New York Theater Bldg., New York, is stated to be interested.

LIGHT-HOUSE.—Tompkinsville, N. Y.—Bids are asked by Light-House Engineer until noon, Sept. 14, for material and labor for construction of Throgs Neck Light-House, Fort Schuyler, N. Y. Lt.-Col. W. T. Rossell, U. S. Engrs. (Advertised, Engineering News.)

BROKEN STONE, ETC.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., until 3 p. m., Aug. 17 for furnishing and delivering 3,000 cu. yds. broken stone of trap rock, and 1,500 cu. yds. screenings of trap rock for the Botanical Garden, Borough of the Bronx.

SUBWAY WORK.—Cincinnati, O.—G. M. Gest, subway contractor of 277 Broadway, New York, and Cincinnati, has just been awarded a contract for the construction of an additional subway to the present system of the Cincinnati Bell Telephone Co. in this city. The work is to be completed so that it can be used before bad weather sets in.

BREAKWATER.—Boston, Mass.—Bids are asked by Harbor and Land Commissioners, State House, until 2 p. m. Aug. 24 for building breakwater in inner portion of Vineyard Haven Harbor. Breakwater is to be about 700 ft. long and will require about 8,000 to 9,000 tons of stone. (Advertised, Engineering News.)

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, until Sept. 12 for furnishing at naval station, New Orleans, a quantity of machine tools as follows: Schedule 67, planing machine, boring and turning mill, drills, drill presses, milling machines, lathes, post shaper, keyseating and slotting machine, slotter, bolt cutter, pipe threading and cutting machine, grinders, steel shafting, motors. H. T. B. Harris, Paym. Gen., U. S. N.

DRAINAGE WORK.—Miami, Fla.—Bids are asked by E. C. Dearborn, Clk. of County Commissioners, until 2 p. m., Sept. 5, for excavating about 1,000,000 cu. yds. sand and muck in constructing main canal about ten miles long; also 15 miles of laterals requiring excavation of about 307,000 cu. yds. sand and muck. D. D. & C. M. Rogers, Engrs., Daytona, Fla. (Advertised, Engineering News.)

CEMENT.—Glendive, Mont.—Following bids were received July 31, at office of U. S. Reclamation Service, Glendive, for furnishing 12,000 bbls. of cement, (1) bid for cement at mill, (2) at Glendive: Illinois Steel Co., The Rookery, Chicago, Ill., (1) $12,000, (2) $83,840; Alpena Portland Cement Co., Pioneer Press Bldg., St. Paul, Minn., (1) $16,440, (2) $39,480; Atlas Portland Cement Co., 30 Broad St., New York, N. Y., (2) $35,640.

LIGHT TOWER, ETC.—Mobile, Ala.—Following bids were received Aug. 1 by Major W. E. Craighill, U. S. Engrs., for metal work for light tower at Hillsboro Inlet, Fla.: Russel Wheel & Foundry Co., Detroit, Mich., $24,000; Atlanta Machine Works, Atlanta, Ga., $26,747. For erection of dwellings and outbuildings, fences, wharf, etc., Geo. W. Brown, West Palm Beach, Fla., was the only bidder at $21,500. No bids were received for erecting light tower including concrete base. No contracts have been let as yet.

*DREDGING, ETC.—New London, Conn.—Following bids were recived Aug. 3 by Lt.-Col. Chas. F. Powell, U. S. Engrs., for dredging and rock removal at Norwalk, Five Mile River, Stamford, Southport and Greenwich Harbors, Conn.: (1) dredging Southport Harbor, rock removal same harbor, dredging 5-Mile Harbor and dredging Greenwich Harbor; (2) dredging Norwalk Harbor, and dredging Stamford Harbor: Atlantic Dredging Co., New York, (1) $20,685; J. P. Randerson, 755 Madison Ave., Albany, N. Y., (1) $21,077. (2) $17,850.

LOCK GATES.—Pittsburg, Pa.—Following bids were received July 31 by Major Wm. L. Sibert, U. S. Engrs., for building and erecting eight lock gates, two each locks Nos. 2, 3, 4, and 5, Ohio River: New Jersey Bridge Co., Manasquan, N. J., $40,230 for each set of two locks; Penn Bridge Co., Beaver Falls, Pa., $37,936 for each set of two gates at locks Nos. 2, 4 and 5, and $39,316 for gates at lock No. 3; Lawrence D. Weaning, Cleveland, O., $38,326 for gates at lock No. 3 only. Itemized bids for gates at lock No. 3 are given under Contract Prices.

CANAL.—Portland, Ore.—Bids were received July 24 at U. S. Engineer's Office for construction of portion of the Dalles-Celilo Canal, in connection with the work of improving Columbia River at Three-Mile Rapids, the three lowest bidders appearing to be as follows: (1) Design A, (2) Design C, (3) rubble design: Smyth & Jones, Portland, Ore., (1) $297,304, (2) $294,262, (3) $374,172; Joseph Paquet & Anton Giebisch, Portland, Ore., (1) $337,498, (2) $341,948, (3) $421,948; Puget Sound Bridge & Dredging Co., Seattle, Wash., (1) $343,840, (2) $365,686. Itemized bids will be given under Contract Prices.

DREDGING, BULKHEAD. — Philadelphia, Pa.—Contracts for continuing construction of the Delaware River 30 ft. ship channel, aggregating $1,155,673, have been awarded as follows: SANFORD, BROOKS & CO., Baltimore, Md., section 3, subsection A, amount of material to be removed, reduced estimate, 1,467,750 cu. yds., $226,767. MARYLAND DREDGING & CONSTRUCTION CO., Baltimore, Md., section 3, subsection B, 1,467,750 cu. yds., $226,033.50. AMERICAN DREDGING CO., Philadelphia, Pa., section 4, subsection A, 1,584,750 cu. yds., $221,865; section 4, subsection B, 1,585,500 cu. yds., $229,894; section 5, subsection A, 1,620,000 cu. yds., $251,100. Bids were received July 17 at U. S. Engineers Office. It was also recommended that the bid of P. Sanford Ross, Inc., Jersey City, N. J. (the only one received) for bulkhead and revetment work at the mouth of the Christiana River be rejected.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

ROCK CRUSHING PLANT.—Concord, Tenn. —H. M. Price is understood to be in the market.

CONCRETE BLOCK MAKING MACHINERY.—Orangeburg, S. C.—S. A. Blackman is in the market.

TIME RECORDER.—Baltimore, Md.—Williams & Williams Co., 747 W. Pratt St., is in the market for a recorder to keep record of 150 men.

PAVING BRICK.—Marion, S. C.—Edward Hawes, Jr., Engr., Marion, and C. S. Leftwich, of Greensboro, N. C., are reported in the market for paving brick.

AIR COMPRESSORS.—Charleston, W. Va. —The Red Mountain Granite Co. is in the market for air compressors, as well as for general quarry supplies, etc.

OPEN FEED WATER HEATERS.—Syracuse, N. Y.—Wm. Booth, C. E., Dillaye Bldg., Syracuse, writes us that he wishes the names of manufacturers of the above.

30-HP. BOILER.—Florence, S. C.—H. S. Rose is reported as in the market for a 30-HP. set. tub. boiler, as is also the Columbia Coal Co., of Bosworth, Ky., and E. B. Landrum, of Fredonia, Tex.

MACHINE WORK.—Fayetteville, N. C.—J. B. Underwood, is reported as wishing to correspond with firms who will undertake to manufacture a patent cotton harvester in large or small quantities.

MINING MACHINERY.—Memphis, Tenn.—The Broadway Coal Mining Co., Front and Madison Sts., Memphis, is in the market for mining machinery, as is also the Columbia Coal Co., of Bosworth, Ky.

METAL BELTING.—New York, N. Y.—Hobson & Co., 17 State St., write us that they wish to get into correspondence with makers of metal belting, the pulleys being milled on their surfaces to take the belt.

RAILWAY SUPPLIES.—It is stated that railway material is wanted at once by the Manila & Southwestern Ry. Co., Manila, Ark., P. H. Tansey, Secy. Bd. of Trade, Corpus Christi, Tex.; G. T. Heard, Brooksville, Miss, etc.

WEDGE SHAPE.—Warren, Pa.—The Rogers Shear Co. writes us that it is in the market for about 5,000 each of small iron or steel wedge shape pieces of various sizes. The company will probably be in the market for a much larger quantity. A drawing of the wedge-shape piece may be seen at the office of Engineering News, 220 Broadway, N. Y.

EXCAVATING MACHINERY, CONVEYING MACHINERY, ETC.—Russia.—Anatole J. Fomilyant, Gogol Street 17, St. Petersburg, Russia, writes us that he is in the market for excavating and dredging machinery, conveying appliances, etc., and wishes to be placed in correspondence at once with manufacturers of such machinery.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

RAILWAY IMPROVEMENTS.—Venezuela. —The National Government, according to a report of Jerome B. Peterson, U. S. Consul at Puerto Cabello, Venezuela, is to construct a railroad from the city of Coro to El Istro. The primary object of this road is to facilitate the transportation of coal from the mines of the State of Falcon.

PUBLIC IMPROVEMENTS. — Panama. — Many public improvements are projected or under way in this republic. The central provinces of Los Santos, Cocle and Veraguas are the fields for the greater part of these improvements, for which $1,050,000 silver has been appropriated. The harbors of Pescaderias and Puerto Posada are to be improved. The improvements on the latter port are now under way. Various improvements are to be made to the public roads and new roads are to be constructed. Midway between Agua Dulce and Penonomé a site for a model town has been planned. A public plaza, 460 ft. square, is to be the center of the town, and around it will be grouped a church, school, Government and municipal buildings, and a market. This town will be provided with a complete system of water-works, electric lights, sewerage and drainage. The Panama Government has appointed Vincent Peterson, an American engineer, to take charge of the development of the interior provinces, and he has organized the engineering corps of the Republic and surveyed the boundary line between the Canal Zone and the country in the vicinity of Panama.

RAILROADS.—Columbia.—The present administration of Columbia is taking active steps to open up the interior of the country and to develop and encourage industries. A concession for building a railway from a point on the Gulf of Uraba, to be called "Ciudad Reyes," to Medellin, the capital of the Department of Antioquia, with the privilege of building branches and extensions to the southern part of the Department of Cauca, has been granted to Henry D. Granger, an American. The Government guarantees a subvention of $30,000, or 24,685 acres of land for every completed kilometer of the railway. This concession carries with it the privilege of utilizing all coal and petroleum deposits along the line. It is the intention of the concessionaire to clear off the valuable timber which exists in abundance along the route, and cultivate bananas, rubber, cane, and other tropical products. Ciudad Reyes is to be made an industrial city. Another important concession in which American capital will probably be invested has been granted to J. T. Ford, Gen. Mgr. of the American companies in Cartagena. This concession is for building a railway from La Dorada, the terminus of navigation on the Magdalena River, to a point north on the river about 30 miles below Puerto Berrio. With this concession there is an optional contract for the completion of the railway from Puerto Berrio to Medellin. This railway extends at present from Puerto Berrio to Caracoli, and is to be completed from Caracoli to Medellin, a distance of 140 kilometers. The Government has likewise granted a concession to Enrique Cortes, representative of European capitalists, for the construction of three divisions of railways, as follows: (1) From the Magdalena River to Bucaramanga, the capital of the Department of Santander; (2) f... to the frontier of the Depar... (3) from the frontier of th... Boyaca to Bogotá.

DOCKS, RAILROADS, E... A correspondent in Buenos A... following information conc... private improvements in th...

Docks.—Buenos Aires.—Co... lic Works has reported fa... project of North Darsena d... dock. The bill which has b... gress provides for carrying ... is necessary to enable the N... be used for the purposes of ... loading cargoes of all kinds, ... ply of the necessary cranes. ... At La Plata 200 meters of w... reconstructed, the canal le... be properly dredged, wareh... structed and repaired. The ... not to exceed $1,100,000 gold.

Water Service Extensions.—... The Executive has approved ... extending the water service ... the city of Mendoza, and fo... water from the Rio Blanco; ... mated cost, $2,477,631 nation...

Street Work, Etc.—Buenos A... istry of Public Works has pr... Congress asking for a credi... national money in order to do... of work at the Madero Port, ... to be paved, the drainage sy... and the railway approaches ... and serviceable.

Electric Railway.—Buenos Aires.—The German Electric Ry. Co. has submitted to Congress a petition for a concession authorizing the company to construct and work a line running from Neuguen to Victoria, the latter point being in Chilian territory. The length of the line will be about 600 kilometers, and the concession is to be for a period of 99 years.

Railway Construction.—Buenos Aires.—The Board of the Entre Rios Railways Co. has submitted to the shareholders a proposal for the construction of 138 miles of new line calculated to cost $300,000 gold.

Mole, Grain Elevator.—Buenos Aires.—On June 6 Guillermo White, President of the Local Board of the Great Southern Ry., presented to the Minister of Public Works an exhaustive statement of the work done, shipping conditions, etc., of the Great Southern Ry. moles at Bahia Blanca. From this statement it appears that notwithstanding the immense amount of work done by the railway in improving the port of Bahia Blanca still further enlargements are necessary in order to cope with the ever increasing traffic. In concluding his statement Mr. White says: "In order to obtain the greatest berthage with the least possible superficial area of works, I beg to suggest the following: The construction of a mole á la cremailliere, and the installation of a grain elevator with a capacity of 26,000 tons, which will greatly facilitate the loading of steamers and will reduce the time which vessels have to lose awaiting their turn. As it is, the intention of the Great Southern Railway Co. to supply the deficiencies in the means of loading, as far as lays in its power, if your Excellency deems acceptable, the project of enlargement and extension of the moles, lines, and grain elevator, etc., the company which I represent will immediately contract for all necessary material and commence work at the earliest possible date."

Steam Tramway.—Buenos Aires.—Messrs. Guesada have asked Congress for authorization to build a steam tramway from Buenos Aires to Lujan, passing through the partidos of San Martin, Moron, Merlo and General Rodriquez.

Tramway.—Buenos Aires.—Eduardo Cardoso has petitioned Congress for a fixed term to construct and work a tramway from Moreno to Buenos Aires, via the west end, and running up to the river, where it is proposed to build a mole. Double lines would run through the partidos of Merlo, Ituzaingo, Moron, Haedo and Ramos Mejia.

Railway.—Buenos Aires.—At the session of Congress, May 18, Senor Ignacio Oyuela, of this city, asked for a concession for the construction of a railway line from Junin to Lincoln. At the same sitting Senor J. Puig presented a request for a concession authorizing him to construct a railway from Cordoba to Bahia Blanca, passing by Rio IV. and Pringles. A petition was also received from Santiago Duhalde asking for a concession for a railway from Rufino, in Santa Fé, to Trengue-Languen or Cartrilo. A message was also received from the Executive asking for extra funds to finish the railway from Chilecito to La Mejicana.

Railway.—Buenos Aires.—The Argentine Great Western Railway has recently made surveys for a line from San Rafael to Santa Rosa de Toay, where it would join up with the Bahia Blanca North Western. The line will pass through good land, and gives every prospect of being self-supporting.

Narrow Gage Railway.—Buenos Aires.—Señor Miguel Mahon has applied to Congress for a concession for a narrow gage railway in the Province of Buenos Aires, running from Buenos Aires to Puerto Militar, passing through Lobos, Rocha and Pringles, with a branch to La Plata; from Pringles to Coronel Suarez, Salliguelo and Cartrillo; from Rocha to Pirovano, Pehuajo, Timote, Hulsey and Rufino.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

REGRADING.—Seattle, Wash.—Bids were received July 29 by Board Public Works for regrading, etc., of 34 Ave., contract being let to C. J. ERICKSON, Globe Bldg., Seattle, at the following bid: Fixed estimate, $3,000; clearing and grubbing, lump bid, $3,000; earthwork, 111,000 cu. yds., 25 cts.; concrete retaining wall, 250 cu. yds., $6; bulkhead lumber (alternative bid), 25 M ft., B. M., $16; bulkhead iron, 4,000 lbs., 5 cts.; 8-in. pipe sewer, 54 lin. ft., $1.10; 10-in. pipe sewer, 2,880 lin. ft., $1.25; 12-in. pipe sewer, 1,620 lin. ft., $1.40; manholes, 13, $50; construction of manholes, three, $50; total, $42,502.

BRICK PAVING.—Centreville, Ia.—Following bids were received July 26 for paving with brick on State and Maple Sts., this city: Iowa Engineering Co., Engrs., Clinton, Ia.; Magden & Sheets, Des Moines, Ia., $19,517; McCarthy Improvement Co., Davenport, Ia., $18,978; John Jones, Racine, Wis., $20,306; DAVENPORT CONSTRUCTION CO., Davenport, Ia., $17,122 (awarded contract). Bids were also received for paving Drake Ave. and other streets with the paving to be laid on a 5-in. Portland cement concrete foundation with 1½-in. sand cushion and Portland cement filler, the itemized bids being as follows: (1) McCarthy Improvement Co., using Purington block, (2) John O. Jones, on Capital City brick, (3) DAVENPORT CONSTRUCTION CO, on Purington block (awarded contract):

Quantities.	(1)	(2)	(3)
Paving, 40,[illegible] sq. yds.	$1.63½	$1.81½	$1.58½
5 x 18-in. cement curb 22,000 lin. ft.	.42	.36	.37
6 x 24-in. cement curb 2,740 lin. ft.	.45	.40	.40
Extra excavation, 1,060 cu. yds.	.27	.44	.30
Total	$91,487	$99,098	$87,813

*COBBS HILL RESERVOIR.—Rochester, N. Y.—Following bids were received July 19 by this city, E. A. Fisher, City Engr., for the construction of Cobbs Hill reservoir, the contract being awarded on July 20 to DENNISTON & CO., Rochester, N. Y.: (1) Denniston & Co., (2) W. J. Flanagan, Yonkers, N. Y., (3) Continental Engineering Co., Buffalo, N. Y., (4) Thos. Holahan & Co., Rochester, N. Y., (5) Casey & Murray, Rochester, (6) Whitmore, Rauber & Vicinis, Rochester, (7) Ira M. Ludington, Oxford, N. Y., (8) Continental Asphalt Co., New York, (9) Brodhead Contracting Co., Wilkesbarre, Pa., (10) Henry P. Burgard, Buffalo, N. Y.:

Bids received at Rochester, N. Y., July 19, for Construction of Cobbs Hill Reservoir.

Items.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Earth excavation, 800,000 cu. yds	$.17	$.20	$.18	$.18	$.17	$.27	$.22	$.23	$.25	$.19
Rolled embankment, 80,000 cu. yds	.30	.20	.16	.18	.20	.30	.30	.18	.05	.15
Replacing top soil, 40,000 cu. yds	.20	.40	.50	.24	.30	.27	.30	.36	.30	.25
Concrete masonry, 50,000 cu. yds	3.59	6.25	4.84	4.90	3.75	4.95	5.75	4.55	6.00	3.75
Concrete water proofing per coat, 2,700 sq. ft	3.00	2.00	.25	1.00	1.25	4.00	1.00	3.25	1.50	1.00
Coal tar pitch water proofing per sq. of 100 sq. ft., 7,900 squares	2.70	5.00	4.10	4.00	3.75	4.50	4.00	4.05	4.30	3.25
Portland cement flagstone walk, 2,000 sq. ft.	.20	.25	.12	.12	.10	.10	.20	.18	.15	.15
Steel reinforcement, 67,000 lbs	.02½	.07	.05	.04	.06	.05	.10	.05	.10	.03
Steel iron work, 55,000 lbs.	.06	.07	.05	.05	.07	.06	.05	.10½	.05	.05
Setting pipes, special castings and valves, 850 tons, net	10.00	6.00	5.00	3.00	5.00	8.00	10.00	3.67	10.00	5.00
Totals	$390,805	$503,540	$452,455	$455,520	$396,820	$558,300	$552,150	$509,674	$572,270	$399,185

*LOCK GATES.—Pittsburg, Pa.—Bids were received July 31 by Major Wm. L. Sibert, U. S. Engineers, for constructing eight lock gates, two each at locks Nos. 2, 3, 4, and 5 Ohio River. The bids received were as follows, the quantity of material required for each set of two gates being the same: New Jersey Bridge Co., Manasquan, N. J., $40,230 for each set of two lock gates; Penn Bridge Co., $37,936, for lock gates at locks Nos. 2, 4 and 5 and $39,316 for gates at lock No. 3; Lawrence D. Weaning, Cleveland, O., $38,326 for gates at lock No. 3 only. The itemized bids received for the gates at lock No. 3 were as follows, (1) New Jersey Bridge Co., (2) Penn Bridge Co., (3) Lawrence D. Weaning:

	(1)	(2)	(3)
Timber, 14 M. ft. B. M.	$75.00	$39.00	$65.00
Bronze, 4,000 lbs.	.75	.33	.38
Cast iron, 48,000 lbs.	.05	.06	.050
Steel castings, 16,000 lbs.	.11	.09	.084
Wrought steel (including all material except as enumerated above), 460,000 lbs.	.067	.07	.067
Painting iron work of 2 gates	1,200	650	900
Total	$40,230	$39,316	$38,326

*BLOCK PAVING.—Jersey Shore, Pa.—Bids were received July 29 by Borough Council, J. Frank Gray, Secy., for paving Allegheny St., for a length of 2,600 ft. and a width of 30 ft., with vitrified block. The guarantee is one year; foundation is to consist of 6-in. of concrete; and curb is to be of bluestone, Ohio stone concrete, 4-in. x 20-in. x 4 ft. The contract was awarded to BUSCH & STEWART, Williamstown, Pa., this company submitting the following bid: 10,000 sq. yds. paving, $1.80 for Clearfield block, $1.82 for Reese Hammond block, $1.85 for Standard brick and tile, $1.98 for Shawmut brick, $1.73 for Engle brick, $2 for Johnsonburg brick, $2 for Mack brick; 6,000 lin. ft. curb, 60 cts.; 100 lin. ft. curb reset, $15 cts.

DREDGING.—Puget Sound, Wash.—Following bids were received July 29 by Bureau Yards and Docks, Washington, D. C., for extension of dredge area east of Wharf No. 7, Puget Sound Navy Yard: North American Dredging Co., 95 Market St., San Francisco, Cal., 830,225, or 46½ cts. per cu. yd.; Puget Sound Bridge & Dredging Co., 95 Yesler Way, Seattle, Wash., $25,870, or 39 8-10 cts. per cu. yd.; International Contract Co., 737 N. Y. Block, Seattle, Wash., 44 cts. per cu. yd.

FILLING AND GRADING.—New Orleans, La.—Following bid was received July 27 by Bureau Yards and Docks, Washington, D. C., for filling and grading at Naval Station, New Orleans: John F. McCoy, 1433 Melpomene St., New Orleans, La., Item 1, $0.55 cu. yd., Item 2, $0.85 cu. yd.

CIVIL SERVICE EXAMINATIONS

INSPECTOR OF HULLS.—U. S. Civil Service Commission, Washington, D. C., will hold an examination Sept. 13 and 14 to fill a vacancy in the position of assistant inspector of hulls in Steamboat Inspection Service at Philadelphia, Pa., at $1,800 per year, and similar vacancies as they may occur.

COPYIST, DRAFTSMAN.—U. S. Civil Service Commission, Washington, D. C., will hold an examination Sept. 13-14 to fill a vacancy in the position of draftsman (copyist of maps), at $900 per annum, in the office of the Postmaster-General; a vacancy in the position of topographic draftsman, at $900 per annum, in the office of the Fourth Assistant Postmaster-General, and vacancies as they may occur in any branch of the service requiring similar qualifications.

CONSTRUCTING ENGINEER.—U. S. Civil Service Commission, Washington, D. C., has announced an examination on Sept. 13-14 to fill a vacancy in the position of constructing engineer for sewers and water-works at Manila, P. I., and vacancies as they may occur in the Philippine service. The salary ranges from $1,400 to $2,000 per year.

INDUSTRIAL NOTES.

THE POWER SPECIALTY CO., 126 Liberty St., N. Y., announces that it has moved to the Trinity Bldg., 111 Broadway.

THE GEO. L. KOPP CO., Pittsburg, Pa., makers of drawing material, surveying instruments, etc., have moved to the store, 704 Smithfield St.

THE BROWN CORLISS ENGINE CO., Corliss, Wis., has secured a contract for a Corliss engine and generator for the city of Springfield, Mass.

SCHUTTE & KOERTING CO., engineers and machinists, of Philadelphia, announce that owing to increase of business the company has moved the Chicago branch office to larger quarters, at 701-2 Security Building. This company has been awarded contract for the condensers for the city of Grand Haven. There were 22 bidders on this job.

THE SULLIVAN MACHINERY CO., Chicago, is making some important additions to its manufacturing plant at Claremont, N. H., in order to keep pace with the rapid growth of business in air compressors, coal cutters, rock drills and other mining and quarrying machinery. The improvements comprise six new buildings, practically doubling the present plant. The Sullivan Machinery Co. has recently shipped to Colon, C. Z., Panama, 23 steam rock drills, size UH-11 (3⅝-in.), fitted with the new Sullivan tappet valve, for the Isthmian Canal Commission.

THE STANDARD METALWORK CO. has been instituted by the G. H. Bushnell Press Co., Thompsonville, Conn., for the purpose of conducting the manufacture of large pipe bends with improved joints for high pressure steam service and difficult metalwork generally, including steam superheaters, condensers, feed water heaters, as well as appliances for refrigerating, evaporating, distilling, etc. Mr. James A. Colvin, Prop.; Mr. Mark Worth Bushnell, Business Director; and James Acton Miller, Mech. Engr. and Director, the latter having been engaged a number of years in above class of special work.

THE WILLIAMS PATENT CRUSHER CO., Old Colony Bldg., Chicago, reports an increased demand for debris crushers by the anthracite companies. Recent sales have been made to the Pennsylvania Coal Co., to be installed at the Old Forge Colliery, Avoca, Pa.; Lehigh Valley Coal Co., Westmoreland Colliery, Wyoming, Pa.; Lehigh Valley Coal Co., Mineral Spring Colliery, Wilkes-Barre; Lehigh Valley Coal Co., Seneca Colliery, Pittston Junction, Pa.; D. & H. Co., Wilkes-Barre; Kingston Coal Co., Kingston, Pa. Recent sales of coal crushers have been made to Retort Coke Oven Co., Cleveland; Hoover & Mason, Railway Exchange, Chicago; Utah Fuel Co., Sunnyside, Utah; Brown Hoisting Machinery Co., Cleveland; Illinois Steel Co., South Chicago; Davis Colliery Co., Coalton, W. Va.; U. S. Coal & Coke Co., Gary, W. Va. Twenty-four Williams crushers have been installed at the various plants of the U. S. Steel Corporation and ten at the various collieries of the Lehigh Valley Coal Co.

THE WESTINGHOUSE ELECTRIC & MFG. CO. has received orders from Nelson, Morris & Co. for 19 Type CCL induction motors, varying in sizes from 5 to 50 HP., and totalling 410 HP.; and for 8 motors of the same type from the Decatur Car Wheel & Mfg. Co., Birmingham, Ala. These are the latest design of induction motors which have been built by this company and have just recently been placed on the market. On the same day an order was entered from the Illinois Steel Co. for 80 direct-current motors having an aggregate capacity of 3,920 HP. These motors are all of the railway type and range from 30 to 75 HP. The Hawaiian Electric Co., of Honolulu, has contracted for two 1,200 KW., three-phase, 2,200 volt, engine type generators, two 125 KW. exciters and seven 500 KW. oil-insulated self-cooling transformers. The Rumford Falls Power Co., of Rumford Falls, Me., will install one 550 KW. and one 800 KW. alternating-current generators, which will be direct connected to waterwheels. The order includes two 450 HP. variable speed induction motors, and 120 type OD transformers for use on the distributing lines.

THE B. F. STURTEVANT CO., of Boston, reports as follows regarding contracts it has secured: The contract for the complete forge shop equipment of the new manual training school of Washington University, St. Louis. This consists of 20 down draft forges with blast and exhaust fans. Recent orders for dry kilns have been taken from the Moline Furniture Works, Moline, Ill.; Eagle Wagon Co., Auburn, N. Y.; and the Voley Organ Co., Harwood, N. J. For marine generating sets are included those of F. B. Pullson's and Timothy Eaton's private yachts, building at Toronto, Ont.; for the tug "Menasket," and through the Portsmouth Navy Yard, for shops of the U. S. Navy. Contracts for complete heating and ventilating systems have recently been taken for the Fall River Iron Works Co., Fall River; Nashua Mfg. Co., Nashua, N. H.; Bemis Bros. Bag Co., Kansas City, Mo.; Fore River Shipbuilding Co., Fore River, Mass.; Lewis A. Crossett, North Abington, Mass.; and Trenton Brass & Machine Co., Trenton. The Arlington Mills, Lawrence, Mass., and the Nashua Mfg. Co., Nashua, N. H., have just placed orders with the Sturtevant Co. for complete equipments of fans and heaters for dye house ventilation. Fans for ventilation in schools and public buildings have been contracted for as follows: Homeopathic Hospital, Washington; Brooklyn Y. M. C. A.; Case School of Applied Science, Cleveland; Asylum for Chronic Insane, Medfield, Mass.; Leominster High School, Leominster, Mass.; Garden Place School, Denver; Hebrew School for Girls, New York; Fort Pitt Hotel, Pittsburg; K. K. Bene Israel Temple, Cincinnati; Plainfield High School, Plainfield, N. J.; Crescent High School, Louisville.

THE WARREN BROS. CO., Boston, reports as follows regarding contracts for bitulithic paving secured, either direct or through the subsidiary companies and licensees: Waterbury, Conn.—Main and West Willow Sts., $2.30 per sq. yd. Somerville, Mass.—5,000 yds. Cambridge, Mass.—15,000 sq. yds. Cambridge St., Mauch Chunck, Pa.—The Standard Bitulithic Co., of Philadelphia, has been awarded a contract for 15,000 yds. Asheville, N. C.—Three streets, 15,000 yds. Milwaukee.—Jackson, Wells and Clayborne Sts., 14,300 yds., awarded to the Central Bitulithic Paving Co., of Detroit. Ottawa, Ont.—The Warren Bituminous Paving Co., of Toronto, has been awarded contracts aggregating 12,300 yds. of bitulithic to be laid in Pape Ave., Rain Ave. and Bleeker St., Ottawa, Ont. Iowa City.—The Barber Asphalt Co. defaulting its contract to lay Warren's bitulithic pavement, new bids were called for, and the contract was awarded to Wm. Horrabin, of Iowa City, a licensee of Warren Bros. Co. Ottawa, Ont.—The Warren Bituminous Paving Co. has been awarded a contract for 12,000 sq. yds. of the bitulithic pavement, to be laid in Wellington Ave. Harrison, N. J.—Van Keuren & Son, of Harrison, N. J., under special license issued by the Warren Bros. Co. to furnish the wearing surface of the bitulithic pavement delivered at plant at $1.35 per yd., has been awarded a contract for 6,840 yds. Logansport, Ind.—The Western Construction Co. has been awarded a contract for 22,000 yds. Hollidaysburg, Pa.—The Standard Bitulithic Co., of Philadelphia, has been awarded a contract for 10,000 yds. London, Ont.—The Warren Bituminous Paving Co. will pave Richmond St. Indianapolis, Ind.—The Hoosier Construction Co., of Indianapolis, has been awarded a contract for 9,000 yds. of bitulithic in Fall Creek Boulevard and 16,200 yds. in Northwestern Ave. Kansas City, Mo.—Sixth St. viaduct approaches will be paved with bitulithic and the bridge with Acme asphalt, aggregating 50,000; 36th St., 3,000 yds., the contract having been awarded to the Kansas Bitulithic Co. Cincinnati.—Contracts have been awarded for bitulithic to the Warren Bros. Co. and licensees, in the following streets: East Court St., 5,500 yds.; Washington Ave., 8,300 yds.; Pike St., 4,300 yds.; Prospect Pl., 6,000 yds.; Ringgold St., 3,300 yds.; Linwood Ave., 40,740 yds.; McAllister St., 800 yds.; Lawrence St., 625 yds.; Pioneer St., 3,170 yds.; Hapsburg St., 1,670 yds.

THE CRANE CO., of Chicago, Ill., celebrated on July 4 the 50th anniversary of its founding. The company had its inception when in 1855 its founder, R. T. Crane, established a brass foundry in a corner of his uncle's lumber yard in Chicago. The first castings, which were couplings used in connecting lighting rods, were made July 4 of that year. Mr. Crane was soon joined by his brother, Charles S. Crane, the latter being connected with the business until 1871, and they then began the making and finishing of brass goods. Soon after the jobbing in wrought iron pipe and fittings and steam warming work was taken up. Year after year they increased their business; the brass plant was enlarged, an iron foundry started, a small butt-weld pipe mill erected, and in 1864 the first malleable iron foundry outside of the Eastern States was set in operation. In 1865 the business was incorporated by Richard T. Crane, Charles S. Crane, Martin Ryerson, Eliphalet W. Blatchford, Charles N. Holden, and the name changed from R. T. Crane & Brother to the North Western Manufacturing Co. This name was retained until 1872, when the title Crane Brothers Manufacturing Co. was adopted, which was changed in 1890 to Crane Co. The first Crane Co. branch was established in 1886 at Omaha. One year later branches were opened in Los Angeles and Kansas City. In 1890 the first Eastern branch began business in Philadelphia. Other branches have been established in the following cities: San Francisco, 1891; Minneapolis, 1892; St. Paul, 1893; New York, 1894; Portland, Ore., 1894; Duluth, 1894; Sioux City, 1897; Oakland, Cal., 1898; Cincinnati, 1899; St. Louis, 1899; Salt Lake City, 1902; Seattle, 1902; Watertown, S. D., 1903; Chanute, Kan., 1903; Independence, Kan., 1904; Spokane, 1904; Fargo, N. D., 1904; Baltimore, 1904; Memphis, 1904; Dallas, 1904; and Birmingham, 1905. And recently a sales office and show room has been opened in London, England. The company has from its infancy constantly added to the varieties and sizes of the products manufactured. Some of the important classes of goods put on the market in more recent years have been stationary, marine and locomotive pop safety valves, drainage fittings, extra heavy brass and iron valves and fittings, hydraulic valves and fittings, Ferro steel flanged fittings and valves, ammonia fittings, steam traps, steam and oil separators, malleable and Ferro steel companion flanges, electrically and hydraulically operated and steam actuated valves, and a complete line of flat band fittings. In addition the company is prepared to turn out complete piping equipments for power plants, and has facilities for bending and threading all sizes of pipe, and screwing, welding or rolling flanges on it. All told, the company manufactures in excess of 10,000 articles for use in connection with steam, water, gas or air.

TRADE PUBLICATIONS.

ADJUSTABLE POWER PRESSES.—Niagara Machine & Tool Works, Buffalo, N. Y. Illustrated folder; 8 x 10½ ins.; pp. 4.

ENGINE-STOP AND SPEED LIMIT SYSTEM.—Consolidated Engine-Stop Co., 100 Broadway, New York. Stiff paper; 3½ x 5 ins.; pp. 4.

JACKS.—The Duff Mfg. Co., Pittsburg, Pa. 5¼ x 7¾ ins.; pp. 30.

Track jacks, car jacks, and jacks for general purposes, are illustrated and described.

GENERATOR VALVES.—The Lunkenheimer Co., Cincinnati, O. 3½ x 6 ins.; pp. 13.

Dimensions, price-lists and illustrations of generator valves are given.

RUBBER GOODS.—New York Belting & Packing Co., Ltd., 91 Chambers St., New York. 5 x 7½ ins.; pp. 39.

Rubber tiling, steps, belting, hose, matting, packing, etc., are illustrated in this catalogue.

PEAT MACHINES.—Julius Bordollo, Agent, Kingsbridge, New York; 9 x 11½ ins.; pp. 16.

Machines for digging and conveying peat, and making peat briquettes, are illustrated.

BOILER FEED PUMPS.—American Steam Pump Co., Battle Creek, Mich. Paper; 3 x 6 ins.; illustrated.

Priced tabular descriptive lists are placed opposite views of the various pumps listed.

ROTARY PLANING MACHINES.—Newton Machine Tool Works, Philadelphia, Pa. 6 x 9 ins.; pp. 23.

Rotary planing machines of different sizes and types are illustrated and dimensions given.

DRAWING INSTRUMENTS.—Theo. Altenëder & Sons, Philadelphia, Pa. Boards; 5 x 7¾ ins.; pp. 107.

This catalogue is devoted entirely to drawing instruments, there being no surveying instruments listed.

FANS AND BLOWERS.—Garden City Fan Co., 42 South Clinton St., Chicago. Circular; 10 x 12 ins.

This circular shows a variety of ventilating, exhausting and blowing apparatus; also a roller-bearing truck for drying kilns.

WOOD PRESERVATIVE.—Dielectric Mfg. Co., St. Louis, Mo., and A. Bushnell, 903 Broadway, Kansas City, Mo. Circulars.

These circulars set forth the merits of phenoleum for the preservative treatment of poles, fence posts, cross-arms, etc., to which it is applied as a paint.

AIR PUMPS AND CONDENSERS.—W. H. Blake Steam Pump Co., Hyde Park, Mass. 6½ x 9 ins.; pp. 8.

PUMPS AND SINKING PUMPS.—Knowles Steam Pump Works, 114 Liberty St., New York. Two illustrated folders; 6 x 9 ins.; pp. 4 and 6, respectively.

Mine sinking pumps and the Knowles Express pump are illustrated, and price-lists given for different sizes.

BLUE PRINTING MACHINES.—Williams, Brown & Earle, 918 Chestnut St., Philadelphia, Pa. Three 4-page folders, 6 9⅝ ins., 6 x 6¼ ins., and 3¼ x 6¼ ins., respectively, and sample card of "Linaura" blue-print fabric.

The Franklin automatic continuous feed electric blue-print machine is shown and price-lists are given, accompanied with a description of the operation of the machine.

SUPPLIES FOR OIL AND GAS WELLS AND LINES.—S. R. Dresser, Bradford, Pa. 4½ x 6¾ ins.; pp. 68.

Dresser pipe couplings, provided with rubber gaskets, are listed in this catalogue, prices being given. A long list of gas companies and water companies using these couplings is given. The claim is made that leakage is almost entirely prevented by means of these couplings, and that, in addition, electrolysis is prevented. The couplings are designed for use both with wrought iron pipe and cast-iron pipe.

SHACKLE-HOOKS.—A Leschen & Sons Rope Co., St. Louis, Mo. Loose sheet; 3½ × 6 ins.

DIGGING MACHINERY.—The Hayward Co., 97 Cedar St., New York. Stiff paper; 6 × 3½ ins.; pp. 31.

Orange-peel buckets, clam-shell buckets, locomotive cranes and dredges are illustrated and briefly described.

AIR COMPRESSORS.—The Ingersoll-Sergeant Drill Co., New York. 5 × 7 ins.; pp. 31.

Different types of air compressors are illustrated by photographs, and briefly described.

VALVES.—The Hancock Inspirator Co., 85 Liberty St., New York. 4 × 6 ins.; pp. 23.

Price-lists are given of different sizes of globe, angle, cross, 60-degree and check valves. Cross-sections show the designs of the different valves.

REGRINDING VALVES.—The Lunkenheimer Co., Cincinnati, O. 3½ × 6¼ ins.; pp. 8.

A price-list is given of the different sizes of globe and angle valves, as well as cross valves, made by this company. The text describes the design of the valves.

ASSAY BALANCES.—The Salt Lake Hardware Co., Salt Lake City, Utah. 6¼ × 3½ ins.; pp. 8. Also three illustrated folders, 6¼ × 3½ ins.

These folders illustrate and describe different types of assay balances, giving the price of each kind.

ROCK DRILLS AND MINING MACHINERY.—J. Geo. Leyner Engineering Works Co., Denver, Colo. Paper; 4¼ × 5 ins.; pp. 13; illustrated.

The Water-Leyner rock drills and hand drills, mine hoisting engines, air compressors, boilers, mine cars and cages are all briefly listed in this little pamphlet.

PILE HAMMERS.—Clark & Co., 100 Broadway, New York. Four loose sheets; 7 × 9 ins.

Hammers operated by compressed air, for driving sheet piling and for driving well casings or tubular steel piles, are illustrated in these sheets.

STEAM HEATING SYSTEM.—Warren Webster & Co., Camden, N. J. 6 × 9 ins.; pp. 63.

The Webster system of steam circulation for heating purposes is very fully described, and a number of large business blocks heated by this system are illustrated.

ROAD ROLLERS.—Julian Scholl & Co., 123 Liberty St., New York. 8 × 10¾ ins.; pp. 8.

The "Universal" two-wheel steam roller made by this company is illustrated and its merits are set forth. The roller is shown at work on macadam roads, bitulithic pavements, etc.

DRAFTING INSTRUMENT.—Keuffel & Esser Co., 127 Fulton St., New York. Loose sheet; 5¼ × 9 ins.

The instrument illustrated in this leaflet is the "Paragon" drafting instrument, a device designed to replace the tools usually employed in drafting, such as triangle, protractor, scale, etc.

GRINDING MACHINES.—The Cincinnati Milling Machine Co., Cincinnati, O. Stiff paper; 6 × 9 ins.; pp. 92.

The "Universal" cutter and tool grinder is illustrated and methods of operation described in great detail. In fact, the catalogue is intended to show the specific uses to which this machine can be put.

BALL BEARINGS.—Chapman Double Ball Bearing Company of America, 256 and 257 Broadway, New York. Illustrated folder; 8½ × 11 ins.; pp. 4.

The Chapman ball bearing consists of large balls, with smaller balls placed between to prevent friction between the larger balls. The merits of this device are illustrated and described.

DRILLS.—The Ingersoll-Sergeant Drill Co., New York. 6 × 9 ins.; pp. 20.

This catalogue is devoted to the "Little Jap" hammer drill. The drill is a pneumatic plug drill made in various sizes, the largest size being mounted on a light column for tunnel work or for stoping. Illustrations show the drill at work in the Pennsylvania Railroad tunnel under the East River.

CAST-IRON WATER AND GAS PIPE.—McWane Pipe Works Department of Lynchburg Foundry Co., Lynchburg, Va. New York Office, 220 Broadway. Paper; 9 × 4 ins.; pp. 25; illustrated.

Illustrations, dimensions and weights of pipe and specials are given, as well as matter relating to accessory supplies. The New England Water-Works Association standards have been adopted for bell and spigot pipe and for the larger specials. These standards are to be extended to 20 and 24-in. specials.

INJECTORS AND EJECTORS.—The Hayden & Derby Mfg. Co., 85 Liberty St., New York. 4 × 6 ins.; pp. 48.

Price-lists are given of the different sizes and types of automatic injectors, double tube injectors and ejectors made by this company. Detailed cross-sections are also shown of the different types, and suggestions given as to the proper type of injector to select.

EXCAVATING AND SCREENING MACHINERY.—The Jeffrey Mfg. Co., Columbus, O. Illustrated folder; 8 × 10 ins.; pp. 6.

This folder shows a number of plants designed for digging, elevating and screening sand and gravel, by means of a bucket elevator. This elevator is mounted on a portable framework on wheels.

PORTLAND CEMENT.—Alma Cement Co., Wellston, O. Stiff paper; 10¾ × 7 ins.; pp. 90.

A large number of photographs show the works of this company and the process of the manufacture of Portland cement is briefly described. Testimonials and photographs of structures built with the Alma Portland cement are given.

STEAM TURBINES AND ELECTRIC GENERATORS.—Warren Electric Mfg. Co., Sandusky, O. Three cards; 3½ × 6¼ ins.

These cards illustrate the company's steam turbine and alternating current generators, and on the back of each is a table of useful information: metric reduction tables, carrying capacity of wires, and street lighting schedules.

PUMPS.—Kingsford Foundry & Machine Works, Oswego, N. Y. Paper; 6 × 3 ins.; pp. 56; illustrated.

Aside from two pages of introductory text and tabular price-list this catalogue is composed of views of standard side-suction, double-suction and turbine pumps, working under various heads, and driven by engines, motors and belts.

WATER AND STEAM PRESSURE REGULATORS.—Wm. G. Coats, Manufacturer, 45 Clinton St., Newark, N. J. Paper; 6 × 9 ins.; pp. 4 and 4 (two pamphlets); illustrated.

The same general principle is utilized in the design of devices for regulating air and gas as well as water and steam pressures. The regulators are self-contained and have no diaphragm, being operated by controlling valves.

WOOD STAVE PIPE.—Washington Pipe & Foundry Co., Tacoma, Wash. Paper; 5 × 8 ins.; pp. 62; illustrated.

This is a catalogue of wooden pipe and water-works appliances, and also presents the advantages of stave built, built either continuous or in sections. It is used not only for water supply, but for the discharge mains of suction dredges, electric conduits, etc. There are also tables of flow of water in pipes, etc.

CONCRETE BUILDING BLOCKS.—Pettyjohn Brothers, 510 North Ninth St., Terre Haute, Ind. Paper; 5½ × 8¼ ins.; pp. 28; illustrated.

The manufacture and use of these concrete blocks, and the operation of the Pettyjohn machine for making them, are described. Prices are given for both blocks and machines, and the illustrations include sections of a great variety of blocks for plain and architectural work.

WOOD STAVE PIPE.—Pacific Coast Pipe Co., Ballard and Spokane, Wash., and Vancouver, B. C. Paper; 5 × 7¾ ins.; pp. 64; illustrated.

The advantages of wood stave pipe are set forth, and various applications are described, together with the cast-iron elbows, tees and other fittings. Wooden tanks are also included. Several pages are devoted to tables of pipe capacity, weir measurements, flow of water, and other information concerning hydraulics.

STEEL PILING.—Friestedt Interlocking Channel Bar Co., 1408 Tribune Building, Chicago. Paper; 6¼ × 9¼ ins.; pp. 64; illustrated.

The Friestedt piling system, with piles of various designs, is shown and described, and there are a number of illustrations of engineering works on which this steel sheet piling has been used. There are also testimonials from engineers and contractors, and reprints of descriptive articles in the technical papers.

HOISTING AND CONVEYING MACHINERY.—McMyler Mfg. Co., Cleveland, O. Paper; 9 × 6 ins.; pp. 73; illustrated.

The special features of this company's products are machines for the economical handling of coal, ore, stone and other material. Most of these are revolving and traveling jib cranes handling self-loading buckets, but there are also conveyors and car-dumping machines for loading coal from cars into steamers, and also ore unloading and conveying machines for unloading steamers and delivering the ore to railway cars or stock piles. In addition to these special classes of machinery, there are particulars and prices of hoisting engines, clam-shell buckets, scoop buckets, drop-bottom buckets, etc.

SOFT STEEL OR WROUGHT IRON.—Dunham, Carrigan & Hayden Co., San Francisco, Cal. Paper; 5¼ × 7½ ins.; pp. 28; illustrated.

The purpose of this pamphlet is to compare soft steel with wrought iron for blacksmiths and general use and to show the advantages of the former, especially on the Pacific coast where it is much cheaper than iron. The illustrations show the behavior of iron and steel bars bent hot and cold, the former showing fractures and the latter showing no fractures.

BRONZE ARTICLES.—The Ansonia Brass & Copper Co., 99 John St., New York. 4 × 7¼ ins.; pp. 31.

This company manufactures articles made of Tobin bronze, which is remarkable for its high elastic limit, tensile strength, hardness, and uniform texture. The following are a few of the articles made by this firm: Piston rods and yacht shafting, plates for rudders, pump cylinder linings, gunpowder tools, disk valves for pumps, deck bolts and ship fastenings, railway axle boxes, etc.

ORE CONCENTRATOR AND GRINDING MILL.—The Allis-Chalmers Co., Milwaukee, Wis. Paper; 8 × 10¼ ins.; two pamphlets; pp. 24 and 4; illustrated.

The larger of these pamphlets deals with the Overstrom table for concentrating ores and recovering values from tailings and slimes. The illustrations include views of the tables and of concentrating plants, and also diagrams illustrating the operation of the table. The smaller pamphlet describes a new design of Huntington mill having a direct overhead drive.

CONCRETE MAKING AND MIXING.—Municipal Engineering & Contracting Co. Railway Exchange Building, Chicago. Paper; 6 × 9 ins.; pp. 31; illustrated.

This pamphlet opens with general information as to cement and concrete, describes the methods of mixing concrete and the qualities of various mixtures, with methods of measuring the proportions, supplemented by technical information from various sources. The company's cubical concrete-mixing machines, automatic water tank, etc., are illustrated and described, and particulars given of works on which these mixers have been used.

CENTRIFUGAL PUMPS.—Byron Jackson Machine Works, 411 Market St., San Francisco, Cal. Paper; 6 × 9 ins.; pp. 73; illustrated.

Besides ordinary centrifugal pumps, this catalogue includes series pumps with from two to five pumps working as one unit. One of these is a five-stage series pump of 1,500 HP., delivering 10,000 gallons a minute and working against a head of 430 ft. They are made with either vertical or horizontal shafts, and a special design of the former is used for deep well work; one of these is in a 15-in. well and 200 ft. below the surface, delivering against a head of 220 ft. Many of these different pumps are used for water supply, clearing mines, hydraulic dredging, etc., and a number of the plants are described. There are also tables of flow of water, discharge of nozzles, and other hydraulic information.

COMBINED WATER FILTRATION AND COPPER TREATMENT.—Vermont Filter Co., Barre, Vt. Paper; 5 × 6½ ins.; pp. 7; illustrated.

We here have described a domestic pressure filter of the upward type, using sand below and charcoal above, with a number of copper plates placed above the charcoal. A filter 12 ins. in diameter, containing 12 ins. in depth of sand and 6 ins. of charcoal, each resting on a perforated brass screen, is rated at 1¼ to 2½ gallons a minute or 1,800 gallons for a full day. The number, size and thickness of copper plates are not given, but from an illustration it appears that the plates are about 12 ins. long and are set vertically, and at one place in the text they are described as copper foil. The filter is to be cleaned by shutting off the supply, reversing the flow until the water in the filter tank has drained out, and then pouring in "one or two pails of boiling hot water" through a hand-hole, allowing it to remain a few minutes and then drawing it off. The copper plates "should be kept free from all growth."

SITUATIONS OPEN

WANTED.—Competent structural and mechanical draftsmen having experience in designing coal and coke handling plants and rolling mill machinery. Good and permanent positions open to right men. Give reference, experience and salary desired. Address "L. J. R.," 52 Water St., Pittsburg, Pa. 6-2t

CIVIL ENGINEER, wanted immediately, as assistant; familiarity with reinforced concrete necessary. BELL ENGINEERING AND CONSTRUCTION COMPANY, 220 Broadway, New York. 6-1t

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 50.

REINFORCED CONCRETE CONDUIT.

Office of the Board of Public Works,
Salt Lake City, Utah, Aug. 5, 1905.

Sealed proposals will be received at this office until Monday, September 18th, 1905, at 12 o'clock noon, for the work of constructing a reinforced concrete conduit known as "Big Cottonwood Conduit," together with dividing station, and such other appurtenances as are necessary to complete the structure.

The approximate quantities are as follows:

Earth excavation	45,000 cu. yds.
Rock excavation	6,000 cu. yds.
Tunnel excavation in earth	1,700 lin. ft.
Tunnel excavation in rock	350 lin. ft.
Portland cement concrete	15,000 cu. yds.
Portland cement grout	4,000 sq. yds.
Brick masonry	300 cu. yds.
Setting and securing steel reinforcement	60,000 pounds.
Setting iron and steel work	20,000 pounds.

Instructions to bidders, together with specifications and forms of contract and bond, can be obtained upon application at the office of the Board of Public Works or City Engineer.

The right is reserved to reject any and all bids.

By order of the Board of Public Works.
E. A. WALL,
Chairman.

GEO. W. RITER,
City Engineer. 6-3t

Plans and specifications may be seen at the offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago.

PIPE SEWERS, SEWER PIPE AND SEWAGE PURIFICATION PLANTS.

Newton, N. J.

Separate sealed proposals will be received at the office of the Town Committee, by the Town of Newton, N. J., until ten o'clock A. M., on Saturday the second day of September, 1905, for laying about seven miles of Pipe Sewers, for furnishing about seven miles of Sewer Pipe, and for building complete two Sewage Purification Plants.

Specifications, plans, forms of proposals, etc., may be seen at the office of the Town Committee of Newton, N. J., or at the office of Williams & Whitman, Inc., Engineers, 17 Battery Place, New York City.

Each bid must be accompanied by a certified check made payable to Morris C. Siple, Town Clerk, for the following amount: Bids for Pipe Sewers—$1,000.00; bids for Sewer Pipe—$300.00; bids for Sewage Purification Plants—$500.00. The Town reserves the right to reject any or all bids, to waive any informality in the bids received, and to make award as will be most advantageous to the Town. No extra allowance above the contract price agreed upon will be made under any pretext whatsoever.

MORRIS C. SIPLE,
Town Clerk.

WILLIAMS & WHITMAN, INC.,
Engineers,
6-4t New York City.

RESERVOIR REPAIR AND CONDUIT.

Coatesville, Pa.

Bids will be received by Borough Council of Coatesville, Pa., on Aug. 21st for constructing bottom in reservoir of cement and mastic asphalt. Also about 450 ft. of concrete conduit. For particulars address

HUGH T. DOWNING,
6-1t Borough Engr.

SEALED PROPOSALS will be received at the office of the Light-House Engineer, Tompkinsville, N. Y., until 12 o'clock M., Sept. 14, 1905, and then opened, for furnishing the materials and labor of all kinds necessary to completely construct, deliver and erect on the site the Throgs Neck Light-House, Fort Schuyler, N. Y., in accordance with specifications, copies of which, with blank proposals and other information, may be had upon application to Lieut.-Col. W. T. ROSSELL, Corps of Engineers, U. S. A., Engineer. 6-2

U. S. ENGINEER OFFICE, Charleston, S. C., August 9, 1905.—Sealed proposals for dredging canal between Charleston Harbor and Bulls Bay, S. C., will be received here until 12 M., September 9, 1905, then publicly opened. Information furnished on application. G. P. HOWELL, Capt., Engrs. 6-4t